

Sanping Chen

List of Publications by Year in descending order

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116
papers

3,928
citations

101543

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all docs

116
docs citations

116
times ranked

3046
citing authors

#	ARTICLE	IF	CITATIONS
1	High-energy metal-organic frameworks (HE-MOFs): Synthesis, structure and energetic performance. <i>Coordination Chemistry Reviews</i> , 2016, 307, 292-312.	18.8	259
2	Single-Ion-Magnet Behavior in a Two-Dimensional Coordination Polymer Constructed from Co ^{II} Nodes and a Pyridylhydrazone Derivative. <i>Inorganic Chemistry</i> , 2015, 54, 8884-8886.	4.0	130
3	Environmentally friendly high-energy MOFs: crystal structures, thermostability, insensitivity and remarkable detonation performances. <i>Green Chemistry</i> , 2015, 17, 831-836.	9.0	127
4	Hierarchical Porous Integrated Co ¹⁺ /S/CoFe ₂ O ₄ @rGO Nanoflowers Fabricated via Temperature-Controlled In Situ Calcining Sulfurization of Multivariate CoFe-MOF@rGO for High-Performance Supercapacitor. <i>Advanced Functional Materials</i> , 2020, 30, 2004519.	14.9	121
5	Synthesis and characterization of an energetic compound Cu(Mtta) ₂ (NO ₃) ₂ and effect on thermal decomposition of ammonium perchlorate. <i>Journal of Hazardous Materials</i> , 2011, 197, 199-203.	12.4	100
6	High-energy-density materials with remarkable thermostability and insensitivity: syntheses, structures and physicochemical properties of Pb(^{II}) compounds with 3-(tetrazol-5-yl) triazole. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11958.	10.3	94
7	Ce(III, IV)-MOF electrocatalyst as signal-amplifying tag for sensitive electrochemical aptasensing. <i>Biosensors and Bioelectronics</i> , 2018, 109, 63-69.	10.1	87
8	In situ synthesized 3D heterometallic metal-organic framework (MOF) as a high-energy-density material shows high heat of detonation, good thermostability and insensitivity. <i>Dalton Transactions</i> , 2015, 44, 2333-2339.	3.3	78
9	NH ₂ -Ni-MOF electrocatalysts with tunable size/morphology for ultrasensitive C-reactive protein detection via an aptamer binding induced DNA walker-antibody sandwich assay. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2426-2431.	5.8	78
10	CONSTRUCTION OF A ROTATING-BOMB COMBUSTION CALORIMETER AND MEASUREMENT OF THERMAL EFFECTS. <i>Instrumentation Science and Technology</i> , 2002, 30, 311-321.	1.8	73
11	A New Strategy for Storage and Transportation of Sensitive High-Energy Materials: Guest-Dependent Energy and Sensitivity of 3D Metal-Organic Framework-Based Energetic Compounds. <i>Chemistry - A European Journal</i> , 2014, 20, 7906-7910.	3.3	70
12	Enhancing Energetic Performance of Multinuclear Ag(I)-Cluster MOF-Based High-Energy-Density Materials by Thermal Dehydration. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9233-9238.	8.0	70
13	Ferrocene covalently confined in porous MOF as signal tag for highly sensitive electrochemical immunoassay of amyloid- β . <i>Journal of Materials Chemistry B</i> , 2017, 5, 8330-8336.	5.8	69
14	Excess axial electrostatic repulsion as a criterion for pentagonal bipyramidal Dy ^{III} single-ion magnets with high U_{eff} and T_{B} . <i>Journal of Materials Chemistry C</i> , 2018, 6, 4273-4280.	5.5	68
15	Effects of metal organic framework Fe-BTC on the thermal decomposition of ammonium perchlorate. <i>RSC Advances</i> , 2016, 6, 67308-67314.	3.6	67
16	Coligand modifications fine-tuned the structure and magnetic properties of two triple-bridged azido-Cu(^{II}) chain compounds exhibiting ferromagnetic ordering and slow relaxation. <i>Dalton Transactions</i> , 2017, 46, 1207-1217.	3.3	64
17	Magnetization Dynamics Changes of Dysprosium(III) Single-Ion Magnets Associated with Guest Molecules. <i>Inorganic Chemistry</i> , 2016, 55, 3865-3871.	4.0	61
18	A solvent-free dense energetic metal-organic framework (EMOF): to improve stability and energetic performance via in situ microcalorimetry. <i>Chemical Communications</i> , 2017, 53, 3034-3037.	4.1	58

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19	A Robust Tb ^{III} -MOF for Ultrasensitive Detection of Trinitrophenol: Matched Channel Dimensions and Strong Host-Guest Interactions. <i>Inorganic Chemistry</i> , 2019, 58, 8198-8207.	4.0	58
20	Experimental and Theoretical Interpretation on the Magnetic Behavior in a Series of Pentagonal-Bipyramidal Dy ^{III} Single-Ion Magnets. <i>Chemistry - A European Journal</i> , 2017, 23, 17775-17787.	3.3	56
21	Tailoring Electronic Structure and Size of Ultrastable Metalated Metal-Organic Frameworks with Enhanced Electroconductivity for High-Performance Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10228-10238.	13.8	55
22	Solvent-Induced Syntheses, Crystal Structures, Magnetic Properties, and Single-Crystal-to-Single-Crystal Transformation of Azido-Cu(II) Coordination Polymers with 2-Naphthoic Acid as Co-ligand. <i>Inorganic Chemistry</i> , 2014, 53, 8088-8097.	4.0	54
23	Lanthanide coordination compounds with 1H-benzimidazole-2-carboxylic acid: syntheses, structures and spectroscopic properties. <i>CrystEngComm</i> , 2013, 15, 86-99.	2.6	53
24	High-Performance Energetic Characteristics and Magnetic Properties of a Three-Dimensional Cobalt(II) Metal-Organic Framework Assembled with Azido and Triazole. <i>Inorganic Chemistry</i> , 2015, 54, 11520-11525.	4.0	51
25	Ultrasensitive aptasensing of insulin based on hollow porous C ₃ N ₄ /S ₂ O ₈ ²⁻ /AuPtAg ECL ternary system and DNA walker amplification. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111795.	10.1	51
26	Instant high-selectivity Cd-MOF chemosensor for naked-eye detection of Cu(II) confirmed using in situ microcalorimetry. <i>Green Chemistry</i> , 2016, 18, 951-956.	9.0	50
27	Rare Co/Fe-MOFs exhibiting high catalytic activity in electrochemical aptasensors for ultrasensitive detection of ochratoxin A. <i>Chemical Communications</i> , 2017, 53, 9926-9929.	4.1	49
28	Concise Chemistry Modulation of the SMM Behavior within a Family of Mononuclear Dy(III) Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 14843-14851.	4.0	48
29	3D high-energy-density and low sensitivity materials: synthesis, structure and physicochemical properties of an azide-Cu(II) complex with 3,5-dinitrobenzoic acid. <i>RSC Advances</i> , 2014, 4, 16087-16093.	3.6	45
30	A nine-coordinated dysprosium(III) compound with an oxalate-bridged dysprosium(III) layer exhibiting two slow magnetic relaxation processes. <i>Chemical Communications</i> , 2015, 51, 15188-15191.	4.1	45
31	Structure, Physicochemical Properties, and Density Functional Theory Calculation of High-Energy-Density Materials Constructed with Intermolecular Interaction: Nitro Group Charge Determines Sensitivity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23487-23498.	3.1	44
32	Superior Thermostability, Good Detonation Properties, Insensitivity, and the Effect on the Thermal Decomposition of Ammonium Perchlorate for a New Solvent-Free 3D Energetic Pb ^{II} -MOF. <i>Chemistry - A European Journal</i> , 2017, 23, 9149-9155.	3.3	43
33	Ligand field fine-tuning on the modulation of the magnetic properties and relaxation dynamics of dysprosium(III) single-ion magnets (SIMs): synthesis, structure, magnetism and ab initio calculations. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1369-1382.	5.5	39
34	Thermal decomposition kinetics of the Pb _{0.25} Ba _{0.75} (TNR)·H ₂ O complex. <i>Journal of Hazardous Materials</i> , 2005, 117, 103-110.	12.4	38
35	Highly stable Ni-MOF comprising triphenylamine moieties as a high-performance redox indicator for sensitive aptasensor construction. <i>Analytica Chimica Acta</i> , 2019, 1049, 74-81.	5.4	37
36	A Luminescent Mg-Metal-Organic Framework for Sustained Release of 5-Fluorouracil: Appropriate Host-Guest Interaction and Satisfied Acid-Base Resistance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14914-14923.	8.0	37

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37	Silver(ⁱ)-based energetic coordination polymers: synthesis, structure and energy performance. <i>New Journal of Chemistry</i> , 2015, 39, 7849-7857.	2.8	35
38	Three new energetic complexes with N,N-bis(1H-tetrazole-5-yl)-amine as high energy density materials: syntheses, structures, characterization and effects on the thermal decomposition of RDX. <i>Dalton Transactions</i> , 2017, 46, 2626-2634.	3.3	34
39	A difunctional azido-cobalt(ⁱⁱ) coordination polymer exhibiting slow magnetic relaxation behaviour and high-energy characteristics with good thermostability and insensitivity. <i>Dalton Transactions</i> , 2018, 47, 12092-12104.	3.3	34
40	High temperature quantum tunnelling of magnetization and thousand kelvin anisotropy barrier in a Dy ₂ single-molecule magnet. <i>Chemical Communications</i> , 2021, 57, 371-374.	4.1	33
41	Syntheses and Characterization of Lead(II)N,N-Bis[1(2)H-tetrazol-5-yl]amine Compounds and Effects on Thermal Decomposition of Ammonium Perchlorate. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3475-3480.	2.0	32
42	Capping N-Donor Ligands Modulate the Magnetic Dynamics of Dy ^{III} Diketonate Single-Ion Magnets with ⁴ d Symmetry. <i>Chemistry - A European Journal</i> , 2019, 25, 3884-3892.	3.3	32
43	A Dy ₂ single-molecule magnet with benzoate anions and phenol-O [~] bridging groups. <i>Dalton Transactions</i> , 2015, 44, 21025-21031.	3.3	31
44	Copper-based energetic MOFs with 3-nitro-1H-1,2,4-triazole: solvent-dependent syntheses, structures and energetic performances. <i>Dalton Transactions</i> , 2016, 45, 17304-17311.	3.3	31
45	An Inconspicuous Six-Coordinate Neutral Dy ^{III} Single-Ion Magnet with Remarkable Magnetic Anisotropy and Stability. <i>Inorganic Chemistry</i> , 2020, 59, 7158-7166.	4.0	31
46	Fine-Tuning of the Coordination Environment To Regulate the Magnetic Behavior in Solvent/Anion-Dependent Dy ^{III} Compounds: Synthesis, Structure, Magnetism, and Ab Initio Calculations. <i>Inorganic Chemistry</i> , 2016, 55, 10587-10596.	4.0	30
47	Isomeric ligands enhance the anisotropy barrier within nine-coordinated {Dy ₂ } compounds. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9488-9495.	5.5	29
48	Dysprosium(ⁱⁱⁱ) complexes with a square-antiprism configuration featuring mononuclear single-molecule magnetic behaviours based on different ² -diketonate ligands and auxiliary ligands. <i>Dalton Transactions</i> , 2016, 45, 5310-5320.	3.3	28
49	Bromine-bridged Dy ₂ single-molecule magnet: magnetic anisotropy driven by ^{cis} / ^{trans} stereoisomers. <i>Chemical Communications</i> , 2019, 55, 14661-14664.	4.1	28
50	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.	12.7	28
51	Syntheses and characterization of energetic compounds constructed from alkaline earth metal cations (Sr and Ba) and 1,2-bis(tetrazol-5-yl)ethane. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1777-1783.	2.9	27
52	A Two-Coordinate Neutral Germylene Supported by a ² -Diketiminato Ligand in the Radical State. <i>Organometallics</i> , 2017, 36, 2706-2709.	2.3	27
53	The slow magnetic relaxation regulated by the coordination, configuration and intermolecular dipolar field in two mononuclear Dy ^{III} single-molecule magnets (SMMs). <i>Dalton Transactions</i> , 2018, 47, 12393-12405.	3.3	27
54	Synthesis and characterization of a new energetic metal-organic framework for use in potential propellant compositions. <i>Green Chemistry</i> , 2020, 22, 5050-5058.	9.0	27

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55	Ligand ratio/solvent-influenced syntheses, crystal structures, and magnetic properties of polydentate Schiff base ligand-Dy(III) compounds with 1,2-diketionate ligands as co-ligands. Dalton Transactions, 2019, 48, 12466-12481.	3.3	26
56	A graphene oxide functionalized energetic coordination polymer possesses good thermostability, heat release and combustion catalytic performance for ammonium perchlorate. Dalton Transactions, 2020, 49, 1582-1590.	3.3	26
57	Pore-size-tuned host-guest interactions in Co-MOFs via in situ microcalorimetry: adsorption and magnetism. Journal of Materials Chemistry C, 2017, 5, 1064-1073.	5.5	25
58	Regulation of Substituent Effects on Configurations and Magnetic Performances of Mononuclear Dy(III) Single-Molecule Magnets. Inorganic Chemistry, 2019, 58, 15330-15343.	4.0	25
59	Lanthanide Discrimination with Hydroxyl-Decorated Flexible Metal-Organic Frameworks. Inorganic Chemistry, 2018, 57, 13895-13900.	4.0	24
60	A new family of heterometallic tetranuclear [MnIII2LnIII2] (Ln = Eu, Gd, Tb, Dy) isostructural clusters: Syntheses, crystal structures and magnetic properties. Polyhedron, 2015, 87, 109-116.	2.2	23
61	A one-step structure-switching electrochemical sensor for transcription factor detection enhanced with synergistic catalysis of PtNi@MIL-101 and Exo III-assisted cycling amplification. Chemical Communications, 2018, 54, 11901-11904.	4.1	23
62	A Trinuclear Zinc Coordination Cluster Exhibiting Fluorescence, Colorimetric Sensitivity, and Recycling of Silver Ion and Detection of Cupric Ion. Inorganic Chemistry, 2020, 59, 2833-2842.	4.0	23
63	Improved Detonation Performance Via Coordination Substitution: Synthesis and Characterization of Two New Green Energetic Coordination Polymers. ACS Applied Materials & Interfaces, 2021, 13, 563-569.	8.0	23
64	Magnetic Interaction Affecting the Zero-Field Single-Molecule Magnet Behaviors in Isomorphous {Ni ^{II} Dy ^{III} } and {Co ^{II} Dy ^{III} } Tetranuclear Complexes. Inorganic Chemistry, 2017, 56, 11387-11397.	4.0	22
65	Synthesis, crystal structure, sensitivity, and effect on thermal decomposition of ammonium perchlorate: an energetic compound Cu(HATZ)(PDA)(H ₂ O). Journal of Coordination Chemistry, 2012, 65, 2584-2592.	2.2	21
66	Intermolecular interaction influenced energy and sensitivity of highly energetic salts: structure and physicochemical properties. CrystEngComm, 2014, 16, 4245-4253.	2.6	20
67	High performance 5-aminotetrazole-based energetic MOF and its catalytic effect on decomposition of RDX. RSC Advances, 2016, 6, 46212-46217.	3.6	20
68	Ag(I)-based high-energy metal organic frameworks (HE-MOFs) incorporating coordinated moieties in channels: synthesis, structure and physicochemical properties. RSC Advances, 2016, 6, 93231-93237.	3.6	20
69	Two energetic complexes incorporating 3,5-dinitrobenzoic acid andazole ligands: microwave-assisted synthesis, favorable detonation properties, insensitivity and effects on the thermal decomposition of RDX. New Journal of Chemistry, 2016, 40, 7779-7786.	2.8	20
70	A triple-bridged azido-Cu(II) chain compound fine-tuned by mixed carboxylate/ethanol linkers displays slow-relaxation and ferromagnetic order: synthesis, crystal structure, magnetic properties and DFT calculations. Dalton Transactions, 2014, 43, 15359-15366.	3.3	19
71	Influence of alcoholic solvent and acetate anion coordination mode variations on structures and magnetic properties of heterometallic Zn ₂ Dy ₂ tetranuclear clusters. Dalton Transactions, 2018, 47, 16616-16626.	3.3	19
72	Thi-Au-Fe ₃ O ₄ confined in ZIF-8 nanoreactor as signal-amplifying tag for constructing high-efficiency electrochemical platform. Sensors and Actuators B: Chemical, 2020, 305, 127496.	7.8	19

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73	In Situ Ligand Formation in the Synthetic Processes from Mononuclear Dy(III) Compounds to Binuclear Dy(III) Compounds: Synthesis, Structure, Magnetic Behavior, and Theoretical Analysis. <i>Inorganic Chemistry</i> , 2021, 60, 816-830.	4.0	19
74	Solvent-Free Lithium/Sodium-Based Metal-Organic Frameworks with Versatile Nitrogen-Rich Ligands: Insight for the Design of Promising Superheat-Resistant Explosives. <i>Inorganic Chemistry</i> , 2021, 60, 9282-9286.	4.0	18
75	Modulating energetic performance through decorating nitrogen-rich ligands in high-energy MOFs. <i>Dalton Transactions</i> , 2020, 49, 2300-2307.	3.3	18
76	A substituent effect of phenylacetic acid coligand perturbed structures and magnetic properties observed in two triple-bridged azido-Cu(II) chain compounds with ferromagnetic ordering and slow magnetic relaxation. <i>Dalton Transactions</i> , 2017, 46, 7556-7566.	3.3	17
77	Fine-tuning the type of equatorial donor atom in pentagonal bipyramidal Dy(III) complexes to enhance single-molecule magnet properties. <i>Dalton Transactions</i> , 2019, 48, 16384-16394.	3.3	17
78	Synthesis, structures, and magnetic properties of four dodecanuclear Ni ₈ RE ₄ (RE = Gd, Dy, Y) clusters trapping four 1/4-bridged carbonate anions. <i>Journal of Coordination Chemistry</i> , 2015, 68, 808-822.	2.2	16
79	Unusual undecanuclear heterobimetallic Zn ₄ Ln ₇ (Ln = Gd, Dy) nano-sized clusters encapsulating two peroxide anions through spontaneous intake of dioxygen. <i>Dalton Transactions</i> , 2017, 46, 8138-8145.	3.3	16
80	Interchange between coordinated and lattice solvents generates the highest energy barrier within nine-coordinated Dy ^{III} single molecule magnets. <i>Dalton Transactions</i> , 2017, 46, 11159-11165.	3.3	16
81	Modulating magnetic dynamics through tailoring the terminal ligands in Dy ₂ single-molecule magnets. <i>Dalton Transactions</i> , 2020, 49, 808-816.	3.3	16
82	Crystal structures, thermodynamics and accelerating thermal decomposition of RDX: two new energetic coordination polymers based on a Y-shaped ligand of tris(5-aminotetrazole)triazine. <i>New Journal of Chemistry</i> , 2019, 43, 14336-14342.	2.8	15
83	Effect of coordination anion substitutions on relaxation dynamics of defect dicubane Zn ₂ Dy ₂ tetranuclear clusters. <i>Dalton Transactions</i> , 2019, 48, 7844-7852.	3.3	14
84	Effect of phenylacetic acid coligands on the structures and magnetic properties of azido-bridged copper(II)-chain compounds. <i>CrystEngComm</i> , 2014, 16, 4194-4201.	2.6	13
85	Axial substitution of a precursor resulted in two high-energy copper(II) complexes with superior detonation performances. <i>Dalton Transactions</i> , 2017, 46, 12893-12900.	3.3	13
86	Two {ZnII ₂ Dy ^{III} } complexes supported by monophenoxido/dicarboxylate bridges with multiple relaxation processes: carboxylato ancillary ligand-controlled magnetic anisotropy in square antiprismatic Dy ^{III} species. <i>Dalton Transactions</i> , 2018, 47, 9482-9491.	3.3	13
87	3D solvent-free energetic metal-organic framework (EMOF) achieved by removing inclusion molecules from a new coordination polymer. <i>CrystEngComm</i> , 2019, 21, 583-588.	2.6	13
88	Solvent responses and substituent effects upon magnetic properties of mononuclear Dy ^{III} compounds. <i>Dalton Transactions</i> , 2021, 50, 624-637.	3.3	13
89	Co II /Mn II MOFs containing the characteristic double metal chains: Synthesis, structure and magnetic property. <i>Inorganic Chemistry Communication</i> , 2017, 80, 23-26.	3.9	12
90	Solvent orientation in the crystal lattice producing distinct magnetic dynamics in two binuclear Dy(III) polymorphs with a polydentate Schiff base ligand. <i>CrystEngComm</i> , 2017, 19, 5735-5741.	2.6	12

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91	Ge ^I –Ge ^I Coupling Reaction Induced by a Mixture of CoBr ₂ and a Seven-Membered N-Heterocyclic Carbene. <i>Inorganic Chemistry</i> , 2018, 57, 2969-2972.	4.0	12
92	Solvent coligands fine-tuned the structures and magnetic properties of triple-bridged 1D azido-copper(<i>scp</i>) coordination polymers. <i>New Journal of Chemistry</i> , 2019, 43, 601-608.	2.8	12
93	Solvent-tuned magnetic exchange interactions in Dy ₂ systems ligated by a 1¼-phenolato heptadentate Schiff base. <i>RSC Advances</i> , 2019, 9, 39640-39648.	3.6	12
94	Dynamic Metal–Iodide Bonds in a Tetracoordinated Cadmium-Based Metal–Organic Framework Boosting Efficient CO ₂ Cycloaddition under Solvent- and Cocatalyst-Free Conditions. <i>Inorganic Chemistry</i> , 2022, 61, 7484-7496.	4.0	11
95	Magneto-structural correlation and low temperature heat capacity of a Mn (III) quadridentate Schiff-base coordination compound. <i>Journal of Chemical Thermodynamics</i> , 2014, 74, 247-254.	2.0	10
96	Fine-Tuning Ligand Fields with Schiff-Base Ligands in Dy ₂ Compounds. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 811-819.	2.0	10
97	A unusual two-dimensional azido-Cu(<i>scp</i>) network with benzoate derivative as a co-ligand exhibiting ferromagnetic order and slow magnetic relaxation. <i>RSC Advances</i> , 2016, 6, 96103-96108.	3.6	9
98	Light Metal Li/K-Based Energetic Coordination Polymers: Structural Effect on Detonation Performance. <i>ACS Applied Energy Materials</i> , 2018, 1, 700-706.	5.1	9
99	A Tetra-amido-Protected Ge ₅ -Spiropentadiene. <i>Journal of the American Chemical Society</i> , 2019, 141, 19252-19256.	13.7	9
100	Synergistic effect of mixed ligands on the anisotropy axis of two dinuclear dysprosium complexes. <i>Dalton Transactions</i> , 2020, 49, 10594-10602.	3.3	9
101	In situ calorimetric investigation of ZnO transformation from flower-like nanostructures to microrod. <i>Materials Chemistry and Physics</i> , 2010, 122, 301-304.	4.0	8
102	Synthesis and Properties of Energetic Hydrazinium 5-Nitro-3-dinitromethyl-2 <i>H</i> -pyrazole by Unexpected Isomerization of <i>N</i> -Nitropyrazole. <i>ACS Omega</i> , 2019, 4, 19011-19017.	3.5	8
103	Microcalorimetry-guided pore-microenvironment optimization to improve sensitivity of Ni-MOF electrochemical biosensor for chiral galantamine. <i>Chemical Engineering Journal</i> , 2021, 426, 130730.	12.7	8
104	Hydrothermal synthesis, structure and property of transition metal(Mn, Zn, Cd or Pb) coordination frameworks using quinoline-8-oxy-acetate acid and dicarboxylic acid as ligands. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 489-497.	2.6	7
105	3,4-Bis(3-tetrazolylfuroxan-4-yl)furoxan: A Linear C–C Bonded Pentaheterocyclic Energetic Material with High Heat of Formation and Superior Performance. <i>ACS Omega</i> , 2020, 5, 11115-11122.	3.5	7
106	A Silylene–Germylene Molecule Containing a Si ^I –Ge ^I Single Bond. <i>Chemistry - A European Journal</i> , 2020, 26, 6122-6125.	3.3	7
107	An Anionic 1,2-Diketiminato Oxoborane with a B–O Double Bond. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2635-2638.	2.0	6
108	Thermostable and insensitivity furazan energetic complexes: Syntheses, structures and modified combustion performance for ammonium perchlorate. <i>Polyhedron</i> , 2019, 164, 169-175.	2.2	6

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109	Tailoring Electronic Structure and Size of Ultrastable Metalated Metal-Organic Frameworks with Enhanced Electroconductivity for High-Performance Supercapacitors. <i>Angewandte Chemie</i> , 2021, 133, 10316-10326.	2.0	6
110	Low temperature heat capacity, standard entropy, standard enthalpy and magnetic property: a new 1D Cu ^{II} coordination polymer incorporating tetrazole-1-acetic acid and p-nitrobenzoic acid. <i>Dalton Transactions</i> , 2017, 46, 1878-1884.	3.3	5
111	Steric hindrance effect of Schiff-base ligands on magnetic relaxation dynamics and emissive behavior of two dinuclear dysprosium complexes. <i>Journal of Rare Earths</i> , 2023, 41, 1049-1057.	4.8	5
112	Low temperature heat capacity and magnetic property of two H ₂ ZTO-Co(II) coordination polymers (H ₂ ZTO ²⁻ =4,4'-azo-1,2,4-triazol-5-one). <i>Journal of Chemical Thermodynamics</i> , 2018, 125, 214-219.	2.0	4
113	Copper-Based Energetic Coordination Polymers Regulated by CN ³⁻ and NO ₃ ⁻ for the Combustion Decomposition of Ammonium Perchlorate. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4520-4527.	4.4	4
114	Anionic oxoborane and thioxoborane molecules supported by a 1,2-bis(imino)acenaphthene ligand. <i>Dalton Transactions</i> , 2021, 50, 6797-6801.	3.3	3
115	Improved oxygen balance and effective energy density by coligand and dehydration strategy: Synthesis and characterization of two new energetic coordination polymers. <i>Chemical Thermodynamics and Thermal Analysis</i> , 2022, 6, 100035.	1.5	1
116	Triphenylamine-based cadmium coordination polymer as a heterogeneous photocatalyst for visible-light-driven α -alkylation of aldehydes. <i>Journal of Solid State Chemistry</i> , 2022, , 123241.	2.9	0