

Wen Zhang

List of Publications by Year in descending order

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5992
citing authors

#	ARTICLE	IF	CITATIONS
1	An Orderâ€“Disorder Type Highâ€“Temperature Multiaxial Supramolecular Ferroelectric. <i>Advanced Electronic Materials</i> , 2022, 8, 2100635.	2.6	13
2	Deuteration triggered downward shift of dielectric phase transition temperature in a hydrogen-bonded molecular crystal. <i>Chinese Chemical Letters</i> , 2022, 33, 1422-1424.	4.8	12
3	Ferroc phase transition molecular crystals. <i>CrystEngComm</i> , 2022, 24, 1507-1517.	1.3	25
4	A rare 3D hybrid bimetal halide ferroelectric: (3-Hydroxypyrrrolidinium)2RbBiBr6. <i>Science China Materials</i> , 2022, 65, 2879-2883.	3.5	9
5	<i>cis/trans</i> -Isomeric Cation Tuning Photoluminescence and Photodetection in 2D Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4119-4124.	2.1	11
6	DCM self-trapping by the host deformation in flexible hostâ€“guest molecules. <i>CrystEngComm</i> , 2021, 23, 4136-4142.	1.3	1
7	Emergent Chirality and Nonlinear Optical Switching in a Ferroelastic Molecular Perovskite Solid Solution. <i>Chemistry of Materials</i> , 2021, 33, 799-805.	3.2	17
8	A ferroelastic molecular rotor crystal showing inverse temperature symmetry breaking. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2809-2816.	3.0	22
9	Solvent-Induced Structural Transformation and Luminescence Response in a Dumbbell-Shaped Crystalline Molecular Rotor. <i>Inorganic Chemistry</i> , 2021, 60, 3149-3155.	1.9	2
10	H/D Isotope Effects on the Short Oâ€“Hâ€“O Hydrogen Bond Geometries and Temperature-Dependent Polymorphism of Two Organic Salts Containing Hydrogen 2,3,5,6-Tetrafluorophthalate Monoanions. <i>Crystal Growth and Design</i> , 2021, 21, 2589-2595.	1.4	4
11	Coexisting Ferroelectric and Ferroelastic Orders in Rare 3D Homochiral Hybrid Bimetal Halides. <i>Chemistry of Materials</i> , 2021, 33, 6233-6239.	3.2	26
12	2D Hydrogen-Bonded Molecular Crystals Showing Terminal-Group-Triggered Phase Transitions and Dielectric Responses. <i>Crystal Growth and Design</i> , 2021, 21, 5342-5348.	1.4	4
13	Graphene Coating for Enhancing the Atom Oxygen Erosion Resistance of Kapton. <i>Coatings</i> , 2020, 10, 644.	1.2	6
14	Role of the Bâ€“site metal ion in the framework structures and dielectric transitions in hostâ€“guest type cyanometalates (Hlm) ₂ [Bâ€“Co(CN) ₆] (Hlm = imidazolium cation). <i>CrystEngComm</i> , 2020, 22, 1848-1852.	1.3	9
15	Geometric H/D isotope effect in a series of organic salts involving short Oâ€“Hâ€“O hydrogen bonds between carboxyl and carboxylate groups. <i>CrystEngComm</i> , 2019, 21, 4238-4242.	1.3	9
16	Structural phase transition-associated dielectric transition and ferroelectricity in coordination compounds. <i>Coordination Chemistry Reviews</i> , 2019, 378, 561-576.	9.5	124
17	Geometric isotope effect of deuteration in a hydrogen-bonded hostâ€“guest crystal. <i>Nature Communications</i> , 2018, 9, 481.	5.8	76
18	Dielectric transitions and relaxations in Ca(ii)Co(iii)-based cyanometallate frameworks with a rare (6,6)-connected nia topology. <i>Dalton Transactions</i> , 2018, 47, 45-48.	1.6	7

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19	Current-induced multiple domain wall motion modulated by magnetic pinning in zigzag shaped nanowires. <i>AIP Advances</i> , 2017, 7, 056014.	0.6	2
20	Structural Phase Transitions and Dielectric Switching in a Series of Organic-Inorganic Hybrid Perovskites ABX_3 ($X=ClO_4$ or BF_4). <i>Chemistry - A European Journal</i> , 2017, 23, 11126-11132.	1.7	32
21	Switchable Dielectric Constant in the Cyanometalate-Based Hydrogen-Bonded $[(CH_3)_2NH_2]_2(H_3Tj)ETQq1$. <i>Overlock 10 Tf</i>	1.0	11
22	XMCD and XMCD-PEEM Studies on Magnetic Field-Assisted Self-Assembled 1D Nanochains of Spherical Ferrite Particles. <i>Advanced Functional Materials</i> , 2017, 27, 1701265.	7.8	21
23	Role of crystallization water molecules on hydrogen-bonded structures and dielectric phase transitions in amino trimethylene phosphonic acid-based crystals. <i>New Journal of Chemistry</i> , 2017, 41, 5142-5150.	1.4	3
24	Dual stimuli-triggered dielectric switching and sensing in a host-guest cyanometallate framework. <i>Chemical Communications</i> , 2017, 53, 6077-6080.	2.2	21
25	Reply to the "Comment on "1,4-Diazabicyclo[2.2.2]octane-based disalts showing non-centrosymmetric structures and phase transition behaviors" by M. Szafranski, <i>CrystEngComm</i> , 2017, 19, DOI: 10.1039/C6CE01469K. <i>CrystEngComm</i> , 2017, 19, 183-184.	1.3	0
26	Switchable Dielectric Constant in the Cyanometalate-Based Hydrogen-Bonded $[(CH_3)_2NH_2]_2(H_3Tj)ETQq0$. <i>Overlock 10 Tf</i>	1.0	2
27	Distinct room-temperature dielectric transition in a perchlorate-based organic-inorganic hybrid perovskite. <i>Dalton Transactions</i> , 2017, 46, 16774-16778.	1.6	20
28	Structural phase transitions and dielectric transitions in a 1,4-diazabicyclo[2.2.2]octane (dabco) based organic crystal. <i>Journal of Molecular Structure</i> , 2017, 1127, 372-376.	1.8	14
29	Cation-templated cyanometallate-based supramolecular rectangular cage compounds showing dielectric transitions. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1304-1310.	3.0	7
30	Predicting and Screening Dielectric Transitions in a Series of Hybrid Organic-Inorganic Double Perovskites via an Extended Tolerance Factor Approach. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5798-5802.	7.2	99
31	Predicting and Screening Dielectric Transitions in a Series of Hybrid Organic-Inorganic Double Perovskites via an Extended Tolerance Factor Approach. <i>Angewandte Chemie</i> , 2016, 128, 5892-5896.	1.6	22
32	Distinct dielectric transitions in 1-ethylimidazole-based cadmium(II) complexes. <i>Polyhedron</i> , 2016, 115, 137-141.	1.0	10
33	Lone-Pair-Electron-Driven Ionic Displacements in a Ferroelectric Metal-Organic Hybrid. <i>Inorganic Chemistry</i> , 2016, 55, 10337-10342.	1.9	51
34	Enhancing the Spin-Orbit Coupling in Fe_3O_4 Epitaxial Thin Films by Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27353-27359.	4.0	20
35	Tuning dielectric transitions by B-site mixing in hybrid double perovskite crystals $(CH_3NH_3)_2[K_{1-x}Rb_xCo(CN)_6]$ ($x = 0.23-0.62$). <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1604-1608.	3.0	21
36	Geographical or ecological divergence between the parapatric species <i>Ephedra sinica</i> and <i>E. intermedia</i> ?. <i>Plant Systematics and Evolution</i> , 2016, 302, 1157-1170.	0.3	9

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37	Phase transitions in two organic salts based on 1,5-naphthalenedisulfonate. <i>Science China Chemistry</i> , 2016, 59, 114-121.	4.2	11
38	Dielectric transition and relaxation in an imidazolium-based organic-inorganic hybrid crystal (HIm) ₆ [(CdCl ₄)(CdCl ₆)]. <i>Inorganic Chemistry Communication</i> , 2016, 67, 35-39.	1.8	13
39	Switchable dielectric constant in an inclusion compound bis(thiourea) imidazolium chloride. <i>CrystEngComm</i> , 2016, 18, 1958-1963.	1.3	10
40	1,4-Diazabicyclo[2.2.2]octane-based disalts showing non-centrosymmetric structures and phase transition behaviors. <i>CrystEngComm</i> , 2016, 18, 1563-1569.	1.3	14
41	The role of East Asian monsoon system in shaping population divergence and dynamics of a constructive desert shrub <i>Reaumuria soongarica</i> . <i>Scientific Reports</i> , 2015, 5, 15823.	1.6	22
42	Magnetic interactions in BiFe _{0.5} Mn _{0.5} O ₃ films and BiFeO ₃ /BiMnO ₃ superlattices. <i>Scientific Reports</i> , 2015, 5, 9093.	1.6	40
43	Switching Dielectric Constant Near Room Temperature in a Molecular Crystal. <i>Advanced Science</i> , 2015, 2, 1500029.	5.6	42
44	Dynamics of a caged imidazolium cation toward understanding the order-disorder phase transition and the switchable dielectric constant. <i>Chemical Communications</i> , 2015, 51, 4568-4571.	2.2	121
45	A Chemically Triggered and Thermally Switched Dielectric Constant Transition in a Metal Cyanide Based Crystal. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6206-6210.	7.2	103
46	Selective Tuning of Gilbert Damping in Spin-Valve Trilayer by Insertion of Rare-Earth Nanolayers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17070-17075.	4.0	22
47	One-dimensional zinc ferrite nano-chains synthesis by chemical self-assembly assistant by magnetic field. <i>Journal of Applied Physics</i> , 2014, 115, 17B524.	1.1	5
48	Synthesis and Structural Phase Transitions of Copper(II) and Iron(III) Complexes Containing [(C ₈ H ₁₂ NO)(18-crown-6)] ⁺ Supramolecular Cations. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1499-1505.	0.6	3
49	Toward Understanding the Origin of Structural Phase Transition in Guanidinium Pyridinium 1,5-Naphthalenedisulfonate. <i>Crystal Growth and Design</i> , 2014, 14, 6570-6580.	1.4	22
50	Structural diversity of a series of chlorocadmate(II) and chlorocuprate(II) complexes based on benzylamine and its <i>N</i> -methylated derivatives. <i>Journal of Coordination Chemistry</i> , 2014, 67, 1156-1173.	0.8	19
51	A Molecular Ferroelectric Thin Film of Imidazolium Perchlorate That Shows Superior Electromechanical Coupling. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5064-5068.	7.2	103
52	Switchable Dielectric, Piezoelectric, and Second-Harmonic Generation Bistability in a New Improper Ferroelectric above Room Temperature. <i>Advanced Materials</i> , 2014, 26, 4515-4520.	11.1	146
53	Room-temperature ABX ₃ -typed molecular ferroelectric: [C ₅ H ₉ NH ₃][CdCl ₃]. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 118.	3.0	110
54	Helical structures in a lithium hexacyanocobaltate-based three-dimensional metal-cyanide framework. <i>Inorganic Chemistry Communication</i> , 2014, 47, 1-4.	1.8	5

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55	Crystal structures and dielectric properties of two tert-butylammonium chlorocadmate(II) complexes. <i>Inorganica Chimica Acta</i> , 2014, 413, 97-101.	1.2	30
56	Uniaxial Movements of a Metal–Cyanide Framework Switched by Weak Interactions through Dehydration and Rehydration. <i>Chemistry - A European Journal</i> , 2014, 20, 8269-8273.	1.7	17
57	Reference Gene Selection for Quantitative Real-Time PCR Normalization in <i>Reaumuria soongorica</i> . <i>PLoS ONE</i> , 2014, 9, e104124.	1.1	27
58	Diisopropylammonium Bromide Is a High-Temperature Molecular Ferroelectric Crystal. <i>Science</i> , 2013, 339, 425-428.	6.0	703
59	Synthesis, Structural and Dielectric Characterization of two Imidazole- and Oxalate-containing Copper(II) Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1274-1278.	0.6	3
60	Tunable and Switchable Dielectric Constant in an Amphidynamic Crystal. <i>Journal of the American Chemical Society</i> , 2013, 135, 5230-5233.	6.6	307
61	4-Methoxyanilinium Perrhenate 18-Crown-6: A New Ferroelectric with Order Originating in Swinglike Motion Slowing Down. <i>Physical Review Letters</i> , 2013, 110, 257601.	2.9	141
62	Above-Room-Temperature Magnetodielectric Coupling in a Possible Molecule-Based Multiferroic: Triethylmethylammonium Tetrabromoferrate(III). <i>Journal of the American Chemical Society</i> , 2012, 134, 18487-18490.	6.6	110
63	Comment on "Ferroelectric Order of Parallel Bistable Hydrogen Bonds": <i>Physical Review Letters</i> , 2012, 109, 169601; discussion 169602.	2.9	26
64	Crystal Structure and Dielectric Property of (p-CH ₃ OC ₆ H ₄ NH ₃) ⁺ (18-crown-6)·H ₂ PO ₄ ·2H ₃ PO ₄ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1123-1126.	0.6	13
65	Ferroelectric Metal–Organic Frameworks. <i>Chemical Reviews</i> , 2012, 112, 1163-1195.	23.0	1,189
66	Ferroelectricity Induced by Ordering of Twisting Motion in a Molecular Rotor. <i>Journal of the American Chemical Society</i> , 2012, 134, 11044-11049.	6.6	155
67	Distinct phase transitions and dielectric anomalies in two 4-methylanilinium salts. <i>Science China Chemistry</i> , 2012, 55, 201-207.	4.2	14
68	Synthesis, characterization, and photoresponsive properties of a series of Mo(IV)–Cu(II) complexes. <i>Dalton Transactions</i> , 2011, 40, 2735.	1.6	25
69	Supramolecular Bola-Like Ferroelectric: 4-Methoxyanilinium Tetrafluoroborate-18-crown-6. <i>Journal of the American Chemical Society</i> , 2011, 133, 12780-12786.	6.6	283
70	Metal–organic complex ferroelectrics. <i>Chemical Society Reviews</i> , 2011, 40, 3577.	18.7	301
71	Coexistence of Magnetic and Electric Orderings in the Metal–Formate Frameworks of [NH ₄] ₄ [M(HCOO) ₃]. <i>Journal of the American Chemical Society</i> , 2011, 133, 14948-14951.	6.6	446
72	Organic salt of hydrogen-tartaric acid: a novel wide-temperature-range ferroelectrics with a reversible phase transition. <i>CrystEngComm</i> , 2011, 13, 319-324.	1.3	28

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73	4-(cyanomethyl)anilinium Perchlorate: A New Displacive-Type Molecular Ferroelectric. <i>Physical Review Letters</i> , 2011, 107, 147601.	2.9	141
74	Synthesis and Structure of a One-Dimensional Copper(II)–Potassium(I) Complex of (S)-2-Hydroxy-3-Phenylpropanoic acid. <i>Journal of Chemical Crystallography</i> , 2011, 41, 779-782.	0.5	1
75	Diisopropylammonium Chloride: A Ferroelectric Organic Salt with a High Phase Transition Temperature and Practical Utilization Level of Spontaneous Polarization. <i>Advanced Materials</i> , 2011, 23, 5658-5662.	11.1	303
76	A Multiferroic Perdeutero Metal–Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11947-11951.	7.2	313
77	Synthesis, crystal structures and magnetic properties of two three-dimensional heterotrimetallic compounds [Cu(en)2Li(H2O)][Fe(CN)6] and [Cu(en)2Li(H2O)][Co(CN)6] (en = ethylenediamine). <i>Inorganic Chemistry Communication</i> , 2011, 14, 176-179.	1.8	8
78	Exceptional Dielectric Phase Transitions in a Perovskite-Type Cage Compound. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6608-6610.	7.2	292
79	Discovery of New Ferroelectrics: [H ₂ dbco] ₂ ·[Cl ₃] ₂ ·[CuCl ₃ (H ₂ O) ₂] ₂ ·[H ₂ dbco] ₂ (dbco = 1,4-Diaza-bicyclo[2.2.2]octane). <i>Journal of the American Chemical Society</i> , 2010, 132, 7300-7302.	11.1	285
80	A one-dimensional homochiral Mo(IV)-Cu(II) coordination polymer: spontaneous resolution and photoresponsive properties. <i>CrystEngComm</i> , 2010, 12, 4045.	1.3	30
81	Synthesis, crystal structures, and magnetic properties of two three-dimensional octacyanotungstate(IV)-based bimetallic frameworks with 4,4'-bipyridine dioxide (4,4'-dpdo). <i>Science in China Series B: Chemistry</i> , 2009, 52, 266-275.	0.8	8
82	Metal-organic coordination compounds for potential ferroelectrics. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2980-2997.	9.5	203
83	In situ synthesis and dielectric properties of copper(II) and nickel(II) chiral Schiff base complexes. <i>Inorganic Chemistry Communication</i> , 2009, 12, 1175-1178.	1.8	15
84	Hydrogen-Bonded Ferroelectrics Based on Metal–Organic Coordination. <i>Journal of the American Chemical Society</i> , 2009, 131, 42-43.	6.6	183
85	A Secondary Reagent-Assisted Synthesis of A Novel Ni ^{II} –Mo ^{IV} Chiral Coordination Polymer. <i>Crystal Growth and Design</i> , 2009, 9, 2050-2053.	1.4	40
86	New Ferroelectrics Based on Divalent Metal Ion Alum. <i>Journal of the American Chemical Society</i> , 2009, 131, 12544-12545.	6.6	146
87	Azide and oxo bridged ferromagnetic clusters: Three face-shared tetracubane Ni(II)/Co(II) hexamers and a wheel-shaped SMM-like Co(II) heptamer. <i>Inorganica Chimica Acta</i> , 2008, 361, 3895-3902.	1.2	60
88	Magnetic and photo-magnetic properties of Co dinuclear complexes. <i>Inorganica Chimica Acta</i> , 2008, 361, 3659-3662.	1.2	7
89	Isotope Effect on SHG Response and Ferroelectric Properties of a Homochiral Zinc Coordination Compound Containing Tetrazole Ligand. <i>Crystal Growth and Design</i> , 2008, 8, 3461-3464.	1.4	102
90	3D Framework Containing Cu ₄ Br ₄ Cubane as Connecting Node with Strong Ferroelectricity. <i>Journal of the American Chemical Society</i> , 2008, 130, 10468-10469.	6.6	146

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91	Azide-Bridged One-Dimensional Mn(III) Polymers: Effects of Side Group of Schiff Base Ligands on Structure and Magnetism. <i>Inorganic Chemistry</i> , 2007, 46, 11235-11242.	1.9	111
92	Spin Crossover in a Series of Iron(II) Complexes of 2-(2-Alkyl-2H-tetrazol-5-yl)-1,10-phenanthroline: Effects of Alkyl Side Chain, Solvent, and Anion. <i>Inorganic Chemistry</i> , 2007, 46, 2541-2555.	1.9	110
93	Hydrogencyanamide-Bridged One-Dimensional Polymers Built on Mn(III)-Schiff Base Fragments: Synthesis, Structure, and Magnetism. <i>Chemistry - A European Journal</i> , 2007, 13, 2937-2952.	1.7	53
94	Syntheses, structures and magnetic properties of a family of one-dimensional M(II)-lanthanide(III) (M = Tm, Er, Dy, Ho, Gd, Tb, Eu, Sm, Pr, Nd, Ce, La) complexes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4196-4203.	0.8	10
95	Iron Complexes Bearing 2-Imino-1,10-phenanthrolyl Ligands as Highly Active Catalysts for Ethylene Oligomerization. <i>Organometallics</i> , 2006, 25, 666-677.	1.1	161
96	Monodisperse Lanthanide Oxysulfide Nanocrystals. <i>Journal of the American Chemical Society</i> , 2006, 128, 11758-11759.	6.6	130
97	Synthesis, characterization and ethylene oligomerization studies of nickel complexes bearing 2-imino-1,10-phenanthrolines. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4196-4203.	0.8	94
98	Cobalt(II) complexes bearing 2-imino-1,10-phenanthroline ligands: synthesis, characterization and ethylene oligomerization. <i>Comptes Rendus Chimie</i> , 2006, 9, 1500-1509.	0.2	64
99	Preparation and characterization of carboximidate iron(II) complexes. <i>Inorganic Chemistry Communication</i> , 2005, 8, 41-43.	1.8	10
100	Synthesis and Characterization of Dibenzofuran Derivatives. <i>ChemInform</i> , 2004, 35, no.	0.1	0
101	Synthesis and characterization of N-(2-pyridyl)benzamide-based nickel complexes and their activity for ethylene oligomerization. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 917-929.	0.8	85
102	Title is missing!. <i>Transition Metal Chemistry</i> , 2003, 28, 682-686.	0.7	13
103	Synthesis and characterization of 2-imino-indole nickel complexes and their ethylene oligomerization study. <i>Inorganic Chemistry Communication</i> , 2003, 6, 1372-1374.	1.8	25
104	Synthesis and characterisation of dibenzofuran derivatives. <i>Journal of Chemical Research</i> , 2003, 2003, 734-735.	0.6	4
105	Photosensitization of Nanocrystalline TiO ₂ Electrode Modified with C ₆₀ Carboxylic Acid Derivatives. <i>Chinese Journal of Chemistry</i> , 2001, 19, 76-81.	2.6	1
106	Non-template synthesis and electrospray mass spectrometric study of some lanthanide(III) complexes. <i>Polyhedron</i> , 1999, 18, 3637-3642.	1.0	17
107	Photosensitized Electron Injection from an ITO Electrode to Trichromophore Dyes Deposited on Langmuir-Blodgett Films. <i>Langmuir</i> , 1999, 15, 7276-7281.	1.6	32