Wen Zhang

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108 86 7,452 39 h-index g-index citations papers 116 8.1 8,094 6.13 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
108	Ferroelectric metal-organic frameworks. <i>Chemical Reviews</i> , 2012 , 112, 1163-95	68.1	1008
107	Diisopropylammonium bromide is a high-temperature molecular ferroelectric crystal. <i>Science</i> , 2013 , 339, 425-8	33.3	583
106	Coexistence of magnetic and electric orderings in the metal-formate frameworks of [NH4][M(HCOO)3]. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14948-51	16.4	413
105	A multiferroic perdeutero metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11947-51	16.4	291
104	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, 5658-62	24	276
103	Tunable and switchable dielectric constant in an amphidynamic crystal. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5230-3	16.4	264
102	Metal-organic complex ferroelectrics. <i>Chemical Society Reviews</i> , 2011 , 40, 3577-98	58.5	261
101	Exceptional dielectric phase transitions in a perovskite-type cage compound. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6608-10	16.4	254
100	Supramolecular bola-like ferroelectric: 4-methoxyanilinium tetrafluoroborate-18-crown-6. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12780-6	16.4	248
99	Metal-organic coordination compounds for potential ferroelectrics. <i>Coordination Chemistry Reviews</i> , 2009 , 253, 2980-2997	23.2	196
98	Hydrogen-bonded ferroelectrics based on metal-organic coordination. <i>Journal of the American Chemical Society</i> , 2009 , 131, 42-3	16.4	179
97	Discovery of new ferroelectrics: [H2dbco]2 x [Cl3] x [CuCl3(H2O)2] x H2O (dbco = 1,4-Diaza-bicyclo[2.2.2]octane). <i>Journal of the American Chemical Society</i> , 2010 , 132, 7300-2	16.4	178
96	Iron Complexes Bearing 2-Imino-1,10-phenanthrolinyl Ligands as Highly Active Catalysts for Ethylene Oligomerization. <i>Organometallics</i> , 2006 , 25, 666-677	3.8	144
95	3D framework containing Cu4Br4 cubane as connecting node with strong ferroelectricity. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10468-9	16.4	143
94	Ferroelectricity induced by ordering of twisting motion in a molecular rotor. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11044-9	16.4	140
93	New ferroelectrics based on divalent metal ion alum. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12544-5	16.4	138
92	4-(cyanomethyl)anilinium perchlorate: a new displacive-type molecular ferroelectric. <i>Physical Review Letters</i> , 2011 , 107, 147601	7.4	125

(2008-2006)

91	Monodisperse lanthanide oxysulfide nanocrystals. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11758-9	16.4	120
90	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	7.4	115
89	Switchable dielectric, piezoelectric, and second-harmonic generation bistability in a new improper ferroelectric above room temperature. <i>Advanced Materials</i> , 2014 , 26, 4515-20	24	111
88	Dynamics of a caged imidazolium cation-toward understanding the order-disorder phase transition and the switchable dielectric constant. <i>Chemical Communications</i> , 2015 , 51, 4568-71	5.8	109
87	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, 11235-42	5.1	108
86	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, 2541-55	5.1	102
85	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	3.5	99
84	Room-temperature ABX3-typed molecular ferroelectric: [C5H9NH3][CdCl3]. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 118	6.8	95
83	Above-room-temperature magnetodielectric coupling in a possible molecule-based multiferroic: triethylmethylammonium tetrabromoferrate(III). <i>Journal of the American Chemical Society</i> , 2012 , 134, 18487-90	16.4	93
82	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	2.3	93
81	A chemically triggered and thermally switched dielectric constant transition in a metal cyanide based crystal. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6206-10	16.4	84
80	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	2.3	84
79	A molecular ferroelectric thin film of imidazolium perchlorate that shows superior electromechanical coupling. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5064-8	16.4	80
78	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, 5798-802	16.4	80
77	Structural phase transition-associated dielectric transition and ferroelectricity in coordination compounds. <i>Coordination Chemistry Reviews</i> , 2019 , 378, 561-576	23.2	79
76	Exceptional Dielectric Phase Transitions in a Perovskite-Type Cage Compound. <i>Angewandte Chemie</i> , 2010 , 122, 6758-6760	3.6	72
75	Cobalt(II) complexes bearing 2-imino-1,10-phenanthroline ligands: synthesis, characterization and ethylene oligomerization. <i>Comptes Rendus Chimie</i> , 2006 , 9, 1500-1509	2.7	59
74	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	2.7	57

73	Hydrogencyanamide-bridged one-dimensional polymers built on Mn(III)-Schiff base fragments: synthesis, structure, and magnetism. <i>Chemistry - A European Journal</i> , 2007 , 13, 2937-52	4.8	50
72	A Multiferroic Perdeutero Metal©rganic Framework. <i>Angewandte Chemie</i> , 2011 , 123, 12153-12157	3.6	49
71	Geometric isotope effect of deuteration in a hydrogen-bonded host-guest crystal. <i>Nature Communications</i> , 2018 , 9, 481	17.4	45
70	A Secondary Reagent-Assisted Synthesis of A Novel NiIIMoIV Chiral Coordination Polymer. <i>Crystal Growth and Design</i> , 2009 , 9, 2050-2053	3.5	39
69	Lone-Pair-Electron-Driven Ionic Displacements in a Ferroelectric Metal-Organic Hybrid. <i>Inorganic Chemistry</i> , 2016 , 55, 10337-10342	5.1	38
68	Switching Dielectric Constant Near Room Temperature in a Molecular Crystal. <i>Advanced Science</i> , 2015 , 2, 1500029	13.6	37
67	Magnetic interactions in BiFeIMnIIDIFilms and BiFeOIBiMnOIsuperlattices. <i>Scientific Reports</i> , 2015 , 5, 9093	4.9	35
66	Photosensitized Electron Injection from an ITO Electrode to Trichromophore Dyes Deposited on Langmuir B lodgett Films. <i>Langmuir</i> , 1999 , 15, 7276-7281	4	29
65	Organic salt of hydrogen L-tartaric acid: a novel wide-temperature-range ferroelectrics with a reversible phase transition. <i>CrystEngComm</i> , 2011 , 13, 319-324	3.3	28
64	A one-dimensional homochiral Mo(IV)-Cu(II) coordination polymer: spontaneous resolution and photoresponsive properties. <i>CrystEngComm</i> , 2010 , 12, 4045	3.3	28
63	Structural Phase Transitions and Dielectric Switching in a Series of Organic-Inorganic Hybrid Perovskites ABX (X=ClO or BF). <i>Chemistry - A European Journal</i> , 2017 , 23, 11126-11132	4.8	24
62	Crystal structures and dielectric properties of two tert-butylammonium chlorocadmate(II) complexes. <i>Inorganica Chimica Acta</i> , 2014 , 413, 97-101	2.7	24
61	Comment on "Ferroelectric order of parallel bistable hydrogen bonds". <i>Physical Review Letters</i> , 2012 , 109, 169601; discussion 169602	7.4	24
60	Synthesis, characterization, and photoresponsive properties of a series of Mo(IV)-Cu(II) complexes. <i>Dalton Transactions</i> , 2011 , 40, 2735-43	4.3	24
59	Synthesis and characterization of 2-imino-indole nickel complexes and their ethylene oligomerization study. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 1372-1374	3.1	24
58	Tuning dielectric transitions by B?-site mixing in hybrid double perovskite crystals (CH3NH3)2[K1 \square RbxCo(CN)6] (x = 0.23 \square .62). <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1604-1608	6.8	19
57	Reference gene selection for quantitative real-time PCR normalization in Reaumuria soongorica. <i>PLoS ONE</i> , 2014 , 9, e104124	3.7	19
56	Toward Understanding the Origin of Structural Phase Transition in Guanidinium Pyridinium 1,5-Naphthalenedisulfonate. <i>Crystal Growth and Design</i> , 2014 , 14, 6570-6580	3.5	17

(2003-2017)

55	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	15.6	16
54	Dual stimuli-triggered dielectric switching and sensing in a host-guest cyanometallate framework. <i>Chemical Communications</i> , 2017 , 53, 6077-6080	5.8	16
53	Distinct room-temperature dielectric transition in a perchlorate-based organic-inorganic hybrid perovskite. <i>Dalton Transactions</i> , 2017 , 46, 16774-16778	4.3	16
52	Uniaxial movements of a metal-cyanide framework switched by weak interactions through dehydration and rehydration. <i>Chemistry - A European Journal</i> , 2014 , 20, 8269-73	4.8	15
51	Structural diversity of a series of chlorocadmate(II) and chlorocuprate(II) complexes based on benzylamine and its N-methylated derivatives. <i>Journal of Coordination Chemistry</i> , 2014 , 67, 1156-1173	1.6	15
50	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	3.1	15
49	Non-template synthesis and electrospray mass spectrometric study of some lanthanide(III) complexes. <i>Polyhedron</i> , 1999 , 18, 3637-3642	2.7	15
48	Distinct phase transitions and dielectric anomalies in two 4-methylanilinium salts. <i>Science China Chemistry</i> , 2012 , 55, 201-207	7.9	14
47	The role of East Asian monsoon system in shaping population divergence and dynamics of a constructive desert shrub Reaumuria soongarica. <i>Scientific Reports</i> , 2015 , 5, 15823	4.9	14
46	A Chemically Triggered and Thermally Switched Dielectric Constant Transition in a Metal Cyanide Based Crystal. <i>Angewandte Chemie</i> , 2015 , 127, 6304-6308	3.6	14
45	Predicting and Screening Dielectric Transitions in a Series of Hybrid Organic Ihorganic Double Perovskites via an Extended Tolerance Factor Approach. <i>Angewandte Chemie</i> , 2016 , 128, 5892-5896	3.6	14
44	Enhancing the Spin-Orbit Coupling in FeO Epitaxial Thin Films by Interface Engineering. <i>ACS Applied Materials & Amp; Interfaces</i> , 2016 , 8, 27353-27359	9.5	14
43	Selective Tuning of Gilbert Damping in Spin-Valve Trilayer by Insertion of Rare-Earth Nanolayers. <i>ACS Applied Materials & Damping in Spin-Valve Trilayer</i> 5, 17070-5	9.5	13
42	A Molecular Ferroelectric Thin Film of Imidazolium Perchlorate That Shows Superior Electromechanical Coupling. <i>Angewandte Chemie</i> , 2014 , 126, 5164-5168	3.6	13
41	Crystal Structure and Dielectric Property of (p-CH3OC6H4NH3)+(18-crown-6)[H2PO4[2]H3PO4. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012 , 638, 1123-1126	1.3	13
40	Dielectric transition and relaxation in an imidazolium-based organic-inorganic hybrid crystal (HIm)6[(CdCl4)(CdCl6)]. <i>Inorganic Chemistry Communication</i> , 2016 , 67, 35-39	3.1	12
39	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	3.4	12
38	Copper(II) and nickel(II) complexes of the pendant arm ligand benzimidazole-2-yl-methyl-functionalized 1,4,7-triazacyclononane. <i>Transition Metal Chemistry</i> , 2003 , 28, 682-686	2.1	12

37	Phase transitions in two organic salts based on 1,5-naphthalenedisulfonate. <i>Science China Chemistry</i> , 2016 , 59, 114-121	7.9	11
36	1,4-Diazabicyclo[2.2.2]octane-based disalts showing non-centrosymmetric structures and phase transition behaviors. <i>CrystEngComm</i> , 2016 , 18, 1563-1569	3.3	11
35	Switchable dielectric constant in an inclusion compound bis(thiourea) imidazolium chloride. <i>CrystEngComm</i> , 2016 , 18, 1958-1963	3.3	10
34	Preparation and characterization of carboximidate iron(II) complexes. <i>Inorganic Chemistry Communication</i> , 2005 , 8, 41-43	3.1	10
33	Switchable Dielectric Constant in the Cyanometalate-Based Hydrogen-Bonded [(CH3)2NH2]2(H3O)[Co(CN)6] Framework. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 3685-36	5 8 93	9
32	Emergent Chirality and Nonlinear Optical Switching in a Ferroelastic Molecular Perovskite Solid Solution. <i>Chemistry of Materials</i> , 2021 , 33, 799-805	9.6	9
31	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	3.1	8
30	Magnetic and photo-magnetic properties of Co dinuclear complexes. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3659-3662	2.7	7
29	Geographical or ecological divergence between the parapatric species Ephedra sinica and E. intermedia?. <i>Plant Systematics and Evolution</i> , 2016 , 302, 1157-1170	1.3	6
28	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		6
27	Cation-templated cyanometallate-based supramolecular rectangular cage compounds showing dielectric transitions. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1304-1310	6.8	6
26	Distinct dielectric transitions in 1-ethylimidazole-based cadmium(II) complexes. <i>Polyhedron</i> , 2016 , 115, 137-141	2.7	6
25	Role of the B?-site metal ion in the framework structures and dielectric transitions in host@uest type cyanometalates (HIm)2[B?Co(CN)6] (HIm = imidazolium cation). <i>CrystEngComm</i> , 2020 , 22, 1848-185	3 .3	5
24	Geometric H/D isotope effect in a series of organic salts involving short O⊞?O hydrogen bonds between carboxyl and carboxylate groups. <i>CrystEngComm</i> , 2019 , 21, 4238-4242	3.3	5
23	One-dimensional zinc ferrite nano-chains synthesis by chemical self-assembly assistant by magnetic field. <i>Journal of Applied Physics</i> , 2014 , 115, 17B524	2.5	5
22	Syntheses, structures and magnetic properties of a family of one-dimensional M(II)-lanthanide(III) (M = Ni(II) and Zn(II)) coordination polymers. <i>Science in China Series B: Chemistry</i> , 2007 , 50, 308-317		5
21	Coexisting Ferroelectric and Ferroelastic Orders in Rare 3D Homochiral Hybrid Bimetal Halides. <i>Chemistry of Materials</i> , 2021 , 33, 6233-6239	9.6	5
20	Dielectric transitions and relaxations in Ca(ii)Co(iii)-based cyanometallate frameworks with a rare (6,6)-connected nia topology. <i>Dalton Transactions</i> , 2017 , 47, 45-48	4.3	5

(2010-2014)

19	Helical structures in a lithium hexacyanocobaltate-based three-dimensional metallyanide framework. <i>Inorganic Chemistry Communication</i> , 2014 , 47, 1-4	3.1	4
18	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	3.6	3
17	Synthesis and Structural Phase Transitions of Copper(II) and Iron(III) Complexes Containing [(C8H12NO)(18-crown-6)]+ Supramolecular Cations. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 1499-1505	1.3	3
16	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	1.3	3
15	Synthesis and Characterisation of Dibenzofuran Derivatives. <i>Journal of Chemical Research</i> , 2003 , 2003, 734-735	0.6	3
14	An Order D isorder Type High-Temperature Multiaxial Supramolecular Ferroelectric. <i>Advanced Electronic Materials</i> ,2100635	6.4	3
13	Current-induced multiple domain wall motion modulated by magnetic pinning in zigzag shaped nanowires. <i>AIP Advances</i> , 2017 , 7, 056014	1.5	2
12	Graphene Coating for Enhancing the Atom Oxygen Erosion Resistance of Kapton. <i>Coatings</i> , 2020 , 10, 644	2.9	2
11	H/D Isotope Effects on the Short OHMO 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	3.5	2
10	A ferroelastic molecular rotor crystal showing inverse temperature symmetry breaking. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 2809-2816	6.8	2
9	Switchable Dielectric Constant in the Cyanometalate-Based Hydrogen-Bonded [(CH3)2NH2]2(H3O)[Co(CN)6] Framework. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 3684-36	5 8 43	1
8	Synthesis and Structure of a One-Dimensional Copper(II) P otassium(I) Complex of (S)-2-Hydroxy-3-Phenylpropanoic acid. <i>Journal of Chemical Crystallography</i> , 2011 , 41, 779-782	0.5	1
7	Solvent-Induced Structural Transformation and Luminescence Response in a Dumbbell-Shaped Crystalline Molecular Rotor. <i>Inorganic Chemistry</i> , 2021 , 60, 3149-3155	5.1	1
6	2D Hydrogen-Bonded Molecular Crystals Showing Terminal-Group-Triggered Phase Transitions and Dielectric Responses. <i>Crystal Growth and Design</i> , 2021 , 21, 5342-5348	3.5	1
5	A rare 3D hybrid bimetal halide ferroelectric: (3-Hydroxypyrrolidinium)2RbBiBr6. <i>Science China Materials</i> ,1	7.1	0
4	-Isomeric Cation Tuning Photoluminescence and Photodetection in 2D Perovskites <i>Journal of Physical Chemistry Letters</i> , 2022 , 4119-4124	6.4	O
3	Reply to the Comment on I,4-Diazabicyclo[2.2.2]octane-based disalts showing non-centrosymmetric structures and phase transition behaviors by M. Szafra ki, Cryst Eng Comm, 2017, 19, DOI: 10.1039/C6CE01469K. Cryst Eng Comm, 2017, 19, 183-184	3.3	
2	Photosensitization of Nanocrystalline TiO2 Electrode Modified with C60 Carboxylic Acid Derivatives. <i>Chinese Journal of Chemistry</i> , 2010 , 19, 76-81	4.9	

DCM self-trapping by the host deformation in flexible host**g**uest molecules. *CrystEngComm*, **2021**, 23, 4136-4142

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