Ren-Gen Xiong

List of Publications by Year
in descending order

178 papers	21,513 citations	8159 76 h-index	9553 142 g-index
183 all docs	183 docs citations	183 times ranked	10414 citing authors

#	Article	IF	Citations
1	Ferroelectric Metalâ€“Organic Frameworks. Chemical Reviews, 2012, 112, 1163-1195.	23.0	1,189
2	An organic-inorganic perovskite ferroelectric with large piezoelectric response. Science, 2017, 357, 306-309.	6.0	744
3	Diisopropylammonium Bromide Is a High-Temperature Molecular Ferroelectric Crystal. Science, 2013, 339, 425-428.	6.0	703
4	Leadâ€Free Inverted Planar Formamidinium Tin Triiodide Perovskite Solar Cells Achieving Power Conversion Efficiencies up to 6.22%. Advanced Materials, 2016, 28, 9333-9340.	11.1	636
5	Low-bandgap mixed tinâ€“lead iodide perovskite absorbers with long carrier lifetimes for all-perovskite tandem solar cells. Nature Energy, 2017, 2, .	19.8	634
6	Metal-free three-dimensional perovskite ferroelectrics. Science, 2018, 361, 151-155.	6.0	570
7	A lead-halide perovskite molecular ferroelectric semiconductor. Nature Communications, 2015, 6, 7338.	5.8	538
8	Symmetry breaking in molecular ferroelectrics. Chemical Society Reviews, 2016, 45, 3811-3827.	18.7	499
9	Novel, Acentric Metalâ€“Organic Coordination Polymers from Hydrothermal Reactions Involving In Situ Ligand Synthesis. Angewandte Chemie - International Edition, 2002, 41, 3800-3803.	7.2	487
10	Coexistence of Magnetic and Electric Orderings in the Metalâ€“Formate Frameworks of [NH₄][M(HCOO)₃]. Journal of the American Chemical Society, 2011, 133, 14948-14951.	6.6	446
11	Ferroelectric Metalâ^'Organic Framework with a High Dielectric Constant. Journal of the American Chemical Society, 2006, 128, 6554-6555.	6.6	402
12	A molecular perovskite solid solution with piezoelectricity stronger than lead zirconate titanate. Science, 2019, 363, 1206-1210.	6.0	401
13	Fabrication of Efficient Low-Bandgap Perovskite Solar Cells by Combining Formamidinium Tin Iodide with Methylammonium Lead Iodide. Journal of the American Chemical Society, 2016, 138, 12360-12363.	6.6	362
14	A Multiferroic Perdeutero Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2011, 50, 11947-11951.	7.2	313
15	Highly Efficient Red-Light Emission in An Organicâ€“Inorganic Hybrid Ferroelectric: (Pyrrolidinium)MnCl₃. Journal of the American Chemical Society, 2015, 137, 4928-4931.	6.6	308
16	Tunable and Switchable Dielectric Constant in an Amphidynamic Crystal. Journal of the American Chemical Society, 2013, 135, 5230-5233.	6.6	307
17	Diisopropylammonium Chloride: A Ferroelectric Organic Salt with a High Phase Transition Temperature and Practical Utilization Level of Spontaneous Polarization. Advanced Materials, 2011, 23, 5658-5662.	11.1	303
18	Metalâ€“organic complex ferroelectrics. Chemical Society Reviews, 2011, 40, 3577.	18.7	301

#	Article	IF	Citations
19	Molecular Design Principles for Ferroelectrics: Ferroelectrochemistry. Journal of the American Chemical Society, 2020, 142, 15205-15218.	6.6	299
20	Bandgap Engineering of Leadâ€Halide Perovskiteâ€Type Ferroelectrics. Advanced Materials, 2016, 28, 2579-2586.	11.1	298
21	Exceptional Dielectric Phase Transitions in a Perovskiteâ€Type Cage Compound. Angewandte Chemie - International Edition, 2010, 49, 6608-6610.	7.2	292
22	Supramolecular Bola-Like Ferroelectric: 4-Methoxyanilinium Tetrafluoroborate-18-crown-6. Journal of the American Chemical Society, 2011, 133, 12780-12786.	6.6	283
23	The First 2D Homochiral Lead Iodide Perovskite Ferroelectrics: [Râ€•and Sâ€1â€(4â€Chlorophenyl)ethylammonium]₂PbI₄. Advanced Materials, 2019, 31, e1808088.	11.1	268
24	The First Organicâ€“Inorganic Hybrid Luminescent Multiferroic: (Pyrrolidinium)MnBr₃. Advanced Materials, 2015, 27, 3942-3946.	11.1	263
25	A Molecular Perovskite with Switchable Coordination Bonds for High-Temperature Multiaxial Ferroelectrics. Journal of the American Chemical Society, 2017, 139, 6369-6375.	6.6	254
26	Toward the Targeted Design of Molecular Ferroelectrics: Modifying Molecular Symmetries and Homochirality. Accounts of Chemical Research, 2019, 52, 1928-1938.	7.6	250
27	High-Temperature Ferroelectricity and Photoluminescence in a Hybrid Organicâ€“Inorganic Compound: (3-Pyrrolinium)MnCl₃. Journal of the American Chemical Society, 2015, 137, 13148-13154.	6.6	246
28	Metal-organic coordination compounds for potential ferroelectrics. Coordination Chemistry Reviews, 2009, 253, 2980-2997.	9.5	203
29	Precise Molecular Design of High-T_c 3D Organicâ€“Inorganic Perovskite Ferroelectric: [MeHdabco]RbI₃ (MeHdabco =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (N-Methyl-1,4-d 10897-10902.	6.6	190
30	Atomistic Mechanism of Broadband Emission in Metal Halide Perovskites. Journal of Physical Chemistry Letters, 2019, 10, 501-506.	2.1	190
31	2D Molecular Square Grid with Strong Blue Fluorescent Emission:â€‰ A Complex of Norfloxacin with Zinc(II). Inorganic Chemistry, 2001, 40, 4075-4077.	1.9	181
32	A Room-Temperature Hybrid Lead Iodide Perovskite Ferroelectric. Journal of the American Chemical Society, 2018, 140, 12296-12302.	6.6	168
33	Nanoscale Homochiral C₃-Symmetric Mixed-Valence Manganese Cluster Complexes with Both Ferromagnetic and Ferroelectric Properties. Journal of the American Chemical Society, 2010, 132, 4044-4045.	6.6	167
34	Two-Dimensional Layered Perovskite Ferroelectric with Giant Piezoelectric Voltage Coefficient. Journal of the American Chemical Society, 2020, 142, 1077-1082.	6.6	166
35	An Aboveâ€Roomâ€Temperature Ferroelectric Organoâ€“Metal Halide Perovskite: (3â€Pyrrolinium)(CdCl₃). Angewandte Chemie - International Edition, 2014, 53, 11242-11247.	7.2	160
36	Large Piezoelectric Effect in a Lead-Free Molecular Ferroelectric Thin Film. Journal of the American Chemical Society, 2017, 139, 18071-18077.	6.6	160

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37	Multiaxial Molecular Ferroelectric Thin Films Bring Light to Practical Applications. Journal of the American Chemical Society, 2018, 140, 8051-8059.	6.6	160
38	Fluorine Substitution Induced High T_c of Enantiomeric Perovskite Ferroelectrics: (R)- and (S)-3-(Fluoropyrrolidinium)MnCl₃. Journal of the American Chemical Society, 2019, 141, 4474-4479.	6.6	160
39	Two-Dimensional Organicâ€“Inorganic Perovskite Ferroelectric Semiconductors with Fluorinated Aromatic Spacers. Journal of the American Chemical Society, 2019, 141, 18334-18340.	6.6	157
40	Ferroelectricity Induced by Ordering of Twisting Motion in a Molecular Rotor. Journal of the American Chemical Society, 2012, 134, 11044-11049.	6.6	155
41	A Three-Dimensional Molecular Perovskite Ferroelectric: (3-Ammoniopyrrolidinium)RbBr₃. Journal of the American Chemical Society, 2017, 139, 3954-3957.	6.6	153
42	Observation of Vortex Domains in a Two-Dimensional Lead Iodide Perovskite Ferroelectric. Journal of the American Chemical Society, 2020, 142, 4925-4931.	6.6	153
43	Competitive Halogen Bond in the Molecular Ferroelectric with Large Piezoelectric Response. Journal of the American Chemical Society, 2018, 140, 3975-3980.	6.6	151
44	Opto-electronic multifunctional chiral diamondoid-network coordination polymer: bis{4-[2-(4-pyridyl)ethenyl]benzoato}zinc with high thermal stability. Chemical Communications, 2000, , 2061-2062.	2.2	150
45	New Ferroelectrics Based on Divalent Metal Ion Alum. Journal of the American Chemical Society, 2009, 131, 12544-12545.	6.6	146
46	Switchable Dielectric, Piezoelectric, and Secondâ€Harmonic Generation Bistability in a New Improper Ferroelectric above Room Temperature. Advanced Materials, 2014, 26, 4515-4520.	11.1	146
47	Solid State Molecular Dynamic Investigation of An Inclusion Ferroelectric: [(2,6-Diisopropylanilinium)([18]crown-6)]BF₄. Journal of the American Chemical Society, 2014, 136, 10033-10040.	6.6	144
48	4-(cyanomethyl)anilinium Perchlorate: A New Displacive-Type Molecular Ferroelectric. Physical Review Letters, 2011, 107, 147601.	2.9	141
49	4-Methoxyanilinium Perrhenate 18-Crown-6: A New Ferroelectric with Order Originating in Swinglike Motion Slowing Down. Physical Review Letters, 2013, 110, 257601.	2.9	141
50	Fluorinated 2D Lead Iodide Perovskite Ferroelectrics. Advanced Materials, 2019, 31, e1901843.	11.1	137
51	Organic enantiomeric high- T _c ferroelectrics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5878-5885.	3.3	137
52	Anomalously rotary polarization discovered in homochiral organic ferroelectrics. Nature Communications, 2016, 7, 13635.	5.8	129
53	An Orderâ€“Disorder Ferroelectric Hostâ€“Guest Inclusion Compound. Angewandte Chemie - International Edition, 2014, 53, 2114-2118.	7.2	126
54	Molecular Ferroelectric with Most Equivalent Polarization Directions Induced by the Plastic Phase Transition. Journal of the American Chemical Society, 2016, 138, 13175-13178.	6.6	125

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55	Dynamics of a caged imidazolium cationâ€“toward understanding the order-disorder phase transition and the switchable dielectric constant. Chemical Communications, 2015, 51, 4568-4571.	2.2	121
56	H/Fâ€Substitutionâ€Induced Homochirality for Designing Highâ€T_c Molecular Perovskite Ferroelectrics. Advanced Materials, 2019, 31, e1902163.	11.1	117
57	Blue to Red Fluorescent Emission Tuning of a Cadmium Coordination Polymer by Conjugated Ligands. European Journal of Inorganic Chemistry, 2003, 2003, 2572-2577.	1.0	113
58	Confinement-Driven Ferroelectricity in a Two-Dimensional Hybrid Lead Iodide Perovskite. Journal of the American Chemical Society, 2020, 142, 10212-10218.	6.6	113
59	Above-Room-Temperature Magnetodielectric Coupling in a Possible Molecule-Based Multiferroic: Triethylmethylammonium Tetrabromoferrate(III). Journal of the American Chemical Society, 2012, 134, 18487-18490.	6.6	110
60	Room-temperature ABX3-typed molecular ferroelectric: [C5H9â€“NH3][CdCl3]. Inorganic Chemistry Frontiers, 2014, 1, 118.	3.0	110
61	An unprecedented six-fold anion-type chiral diamondoid-like eight-coordinate Cd(II) coordination polymer with a second-order nonlinear optical effect. Dalton Transactions RSC, 2001, , 2453-2455.	2.3	108
62	Ultrafast Polarization Switching in a Biaxial Molecular Ferroelectric Thin Film: [Hdabco]ClO₄. Journal of the American Chemical Society, 2016, 138, 15784-15789.	6.6	107
63	A Chiral Thermochromic Ferroelastic with Seven Physical Channel Switches. Angewandte Chemie - International Edition, 2020, 59, 9574-9578.	7.2	106
64	Large Electrostrictive Coefficient in a Two-Dimensional Hybrid Perovskite Ferroelectric. Journal of the American Chemical Society, 2021, 143, 1664-1672.	6.6	106
65	Unprecedented Ferroelectricâ€“Antiferroelectricâ€“Paraelectric Phase Transitions Discovered in an Organicâ€“Inorganic Hybrid Perovskite. Journal of the American Chemical Society, 2017, 139, 8752-8757.	6.6	105
66	A Molecular Ferroelectric Thin Film of Imidazolium Perchlorate That Shows Superior Electromechanical Coupling. Angewandte Chemie - International Edition, 2014, 53, 5064-5068.	7.2	103
67	Novel Phase-Transition Materials Coupled with Switchable Dielectric, Magnetic, and Optical Properties: [(CH₃)₄P][FeCl₄] and [(CH₃)₄P][FeBr₄]. Chemistry of Materials, 2014, 26, 6042-6049.	3.2	101
68	Piezoelectric Energy Harvesting Based on Multiaxial Ferroelectrics by Precise Molecular Design. Matter, 2020, 2, 697-710.	5.0	101
69	A Three-Dimensional Lead Halide Perovskite-Related Ferroelectric. Journal of the American Chemical Society, 2020, 142, 4604-4608.	6.6	97
70	In situ ligand synthesis and the first crystallographically characterized lanthanide 3-D pillared networks containing benzene-1,4-disulfonate as a building blockâ€Šâ€. Dalton Transactions RSC, 2001, , 780-782.	2.3	96
71	Two-Dimensional Hybrid Perovskite Ferroelectric Induced by Perfluorinated Substitution. Journal of the American Chemical Society, 2020, 142, 20208-20215.	6.6	96
72	A Multiaxial Molecular Ferroelectric with Highest Curie Temperature and Fastest Polarization Switching. Journal of the American Chemical Society, 2017, 139, 13903-13908.	6.6	92

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73	De Novo Discovery of [Hdabco]BF₄ Molecular Ferroelectric Thin Film for Nonvolatile Low-Voltage Memories. Journal of the American Chemical Society, 2017, 139, 1319-1324.	6.6	88
74	Molecular ferroelectrics: where electronics meet biology. Physical Chemistry Chemical Physics, 2013, 15, 20786.	1.3	86
75	The Narrowest Band Gap Ever Observed in Molecular Ferroelectrics: Hexaneâ€1,6â€diammonium Pentaiodobismuth(III). Angewandte Chemie - International Edition, 2018, 57, 526-530.	7.2	85
76	Organometallic-Based Hybrid Perovskite Piezoelectrics with a Narrow Band Gap. Journal of the American Chemical Society, 2020, 142, 17787-17794.	6.6	83
77	X-Ray crystal structures of Mg2+ and Ca2+ dimers of the antibacterial drug norfloxacin. Dalton Transactions RSC, 2000, , 4013-4014.	2.3	81
78	Discovery of an Antiperovskite Ferroelectric in [(CH₃)₃NH]₃(MnBr₃)(MnBr₄). Journal of the American Chemical Society, 2018, 140, 8110-8113.	6.6	79
79	Quinuclidinium salt ferroelectric thin-film with duodecuple-rotational polarization-directions. Nature Communications, 2017, 8, 14934.	5.8	75
80	Directional Intermolecular Interactions for Precise Molecular Design of a High-T_c Multiaxial Molecular Ferroelectric. Journal of the American Chemical Society, 2019, 141, 1781-1787.	6.6	74
81	Fluoridation Achieved Antiperovskite Molecular Ferroelectric in [(CH₃)₂(F-CH₂CH₂)NH]₃(CdCl₃)(CdCl₄). Journal of the American Chemical Society, 2019, 141, 4372-4378.	6.6	73
82	A Molecular Polycrystalline Ferroelectric with Recordâ€High Phase Transition Temperature. Advanced Materials, 2017, 29, 1700831.	11.1	72
83	The Narrowest Band Gap Ever Observed in Molecular Ferroelectrics: Hexaneâ€1,6â€diammonium Pentaiodobismuth(III). Angewandte Chemie, 2018, 130, 535-539.	1.6	72
84	Molecular Ferroelectricsâ€Driven Highâ€Performance Perovskite Solar Cells. Angewandte Chemie - International Edition, 2020, 59, 19974-19982.	7.2	71
85	Methylphosphonium Tin Bromide: A 3D Perovskite Molecular Ferroelectric Semiconductor. Advanced Materials, 2020, 32, e2005213.	11.1	66
86	Record Enhancement of Phase Transition Temperature Realized by H/F Substitution. Advanced Materials, 2020, 32, e2003530.	11.1	66
87	Record Enhancement of Curie Temperature in Hostâ€“Guest Inclusion Ferroelectrics. Journal of the American Chemical Society, 2021, 143, 5091-5098.	6.6	66
88	A Displaciveâ€Type Metal Crown Ether Ferroelectric Compound: Ca(NO₃)₂(15â€crownâ€5). Angewandte Chemie - International Edition, 2014, 53, 6724-6729.	7.2	65
89	PFM (piezoresponse force microscopy)-aided design for molecular ferroelectrics. Chemical Society Reviews, 2021, 50, 8248-8278.	18.7	63
90	Crystal structure of zinc(II) 2-sulfanilamidopyrimidine: a widely used topical burn drug. Dalton Transactions RSC, 2001, , 774-776.	2.3	60

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91	A Ferroelectric Iron(II) Spin Crossover Material. Angewandte Chemie - International Edition, 2017, 56, 14052-14056.	7.2	58
92	Contactless Manipulation of Writeâ€“Readâ€“Erase Data Storage in Diarylethene Ferroelectric Crystals. Journal of the American Chemical Society, 2022, 144, 8633-8640.	6.6	58
93	Rational Design of Ceramic-Like Molecular Ferroelectric by Quasi-Spherical Theory. Journal of the American Chemical Society, 2020, 142, 1995-2000.	6.6	57
94	A Molecular Thermochromic Ferroelectric. Angewandte Chemie - International Edition, 2020, 59, 3495-3499.	7.2	57
95	A multiaxial lead-free two-dimensional organic-inorganic perovskite ferroelectric. National Science Review, 2021, 8, nwaa232.	4.6	57
96	A sequentially switchable molecular dielectric material tuned by the stepwise ordering in diisopropylammonium trifluoromethanesulfonate. Journal of Materials Chemistry C, 2014, 2, 2341-2345.	2.7	56
97	A semiconducting molecular ferroelectric with a bandgap much lower than that of BiFeO3. NPG Asia Materials, 2017, 9, e342-e342.	3.8	54
98	Optical Control of Polarization Switching in a Single-Component Organic Ferroelectric Crystal. Journal of the American Chemical Society, 2021, 143, 13816-13823.	6.6	53
99	Narrow Band Gap Observed in a Molecular Ferroelastic: Ferrocenium Tetrachloroferrate. Journal of the American Chemical Society, 2020, 142, 3240-3245.	6.6	52
100	Multichannel Control of Multiferroicity in Single-Component Homochiral Organic Crystals. Journal of the American Chemical Society, 2021, 143, 21685-21693.	6.6	52
101	The first four-fold interpenetrating diamondoid framework that traps gaseous molecules: {Zn[trans-3-(4-pyridyl)acrylate]2Â·(trans-2-butene)}n. Dalton Transactions RSC, 2001, , 1806-1808.	2.3	51
102	Visualization of Room-Temperature Ferroelectricity and Polarization Rotation in the Thin Film of Quinuclidinium Perrhenate. Physical Review Letters, 2017, 119, 207602.	2.9	50
103	A highly stable copper(i)-olefin coordination polymer with strong red fluorescent emission. Chemical Communications, 2000, , 1495-1496.	2.2	49
104	Olefin-Copper(I) Complexes and their Properties. Topics in Catalysis, 2005, 35, 43-61.	1.3	48
105	An Above-Room-Temperature Molecular Ferroelectric: [Cyclopentylammonium]₂CdBr₄. Inorganic Chemistry, 2020, 59, 829-836.	1.9	48
106	H/F substitution for advanced molecular ferroelectrics. Trends in Chemistry, 2021, 3, 1088-1099.	4.4	48
107	The First Highly Stable Homochiral Olefinâ"Copper(I) 2D Coordination Polymer Grid Based on Quinine as a Building Block. Organometallics, 2003, 22, 2814-2816.	1.1	47
108	Highly stable copper(I)-olefin coordination polymers capable of co-existing with water and acid. Dalton Transactions RSC, 2000, , 2898-2900.	2.3	46

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109	Molecule-displacive ferroelectricity in organic supramolecular solids. Scientific Reports, 2013, 3, 2249.	1.6	45
110	Heterometallic Tetrazole Coordination Polymer Formed through 2 + 3 Cycloaddition Reaction between Inorganic Complexes in the Presence of Lewis Acid. Crystal Growth and Design, 2007, 7, 2382-2386.	1.4	44
111	Tunable electroresistance and electro-optic effects of transparent molecular ferroelectrics. Science Advances, 2017, 3, e1701008.	4.7	44
112	A Nickel(II) Nitrite Based Molecular Perovskite Ferroelectric. Angewandte Chemie - International Edition, 2019, 58, 8857-8861.	7.2	43
113	A homochiral Znâ€“Dy heterometallic left-handed helical chain complex without chiral ligands: anion-induced assembly and multifunctional integration. Chemical Communications, 2018, 54, 13379-13382.	2.2	42
114	An above-room-temperature phosphonium-based molecular ferroelectric perovskite, [(CH3)4P]CdCl3, with Sb3+-doped luminescence. NPG Asia Materials, 2019, 11, .	3.8	42
115	Bistable State of Protons for Low-Voltage Memories. Journal of the American Chemical Society, 2020, 142, 9000-9006.	6.6	41
116	The first chiral 2-D molecular triangular gridâ€Šâ€. Dalton Transactions RSC, 2000, , 4010-4012.	2.3	40
117	The first high-temperature multiaxial ferroelectric hostâ€“guest inclusion compound. Chemical Communications, 2019, 55, 11571-11574.	2.2	40
118	The First Highâ€Temperature Supramolecular Radical Ferroics. Angewandte Chemie - International Edition, 2021, 60, 16668-16673.	7.2	37
119	An Order-Disorder Ferroelectric Host-Guest Inclusion Compound. Angewandte Chemie, 2014, 126, 2146-2150.	1.6	36
120	Dielectric and ferroelectric sensing based on molecular recognition in Cu(1,10-phenlothroline)2SeO4Â·(diol) systems. Nature Communications, 2017, 8, 14551.	5.8	36
121	Coexistence of magnetic and electric orderings in a divalent Cr²⁺-based multiaxial molecular ferroelectric. Chemical Science, 2021, 12, 9742-9747.	3.7	33
122	Unprecedented Ferroelectricity and Ferromagnetism in a Cr²⁺â€Based Twoâ€Dimensional Hybrid Perovskite. Angewandte Chemie - International Edition, 2022, 61, .	7.2	32
123	Organic Ferroelectric Vortexâ€“Antivortex Domain Structure. Journal of the American Chemical Society, 2020, 142, 21932-21937.	6.6	31
124	Optically Induced Ferroelectric Polarization Switching in a Molecular Ferroelectric with Reversible Photoisomerization. Advanced Science, 2021, 8, e2102614.	5.6	31
125	Ferroelectrochemistry. APL Materials, 2021, 9, .	2.2	29
126	Three Properties in One Coordination Complex: Chirality, Spin Crossover, and Dielectric Switching. European Journal of Inorganic Chemistry, 2017, 2017, 3144-3149.	1.0	29

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127	Fluorination observedT_cincrease of 110 K is challenging the hydrogenâ€“deuterium isotope effect. Chemical Communications, 2019, 55, 10007-10010.	2.2	27
128	H/F Substitution induced switchable coordination bonds in a cyano-bridged hybrid double perovskite ferroelastic. Chemical Communications, 2022, 58, 3059-3062.	2.2	27
129	Two Polymeric Complexes of Norfloxacin with Iron(II) and Their Magnetic Properties. European Journal of Inorganic Chemistry, 2003, 2003, 2920-2923.	1.0	26
130	Comment on â€œFerroelectric Order of Parallel Bistable Hydrogen Bondsâ€• Physical Review Letters, 2012, 109, 169601; discussion 169602.	2.9	26
131	Chiral Molecular Ferroelectrics with Polarized Optical Effect and Electroresistive Switching. ACS Nano, 2017, 11, 11739-11745.	7.3	26
132	100 years of ferroelectricityâ€”A celebration. APL Materials, 2021, 9, .	2.2	25
133	Crown Ether Hostâ€“Guest Molecular Ferroelectrics. Chemistry - A European Journal, 2022, 28, .	1.7	25
134	Unprecedented Homochiral Olefinâˆ’Copper(I) 2D Coordination Polymer Grid Based on Chiral Ammonium Salts as Building Blocks. Organometallics, 2003, 22, 4396-4398.	1.1	24
135	Experimental Evidence for a Triboluminescent Antiperovskite Ferroelectric: Tris(trimethylammonium)catenaâ€Triâ€Î¼â€chloroâ€manganate(II) Tetrachloromanganate(II). Angewandte Chemie - International Edition, 2018, 57, 11939-11942.	7.2	24
136	Highly Efficient 1D/3D Ferroelectric Perovskite Solar Cell. Advanced Functional Materials, 2021, 31, 2100205.	7.8	24
137	Organic Enantiomeric Ferroelectrics with High Piezoelectric Performance: Imidazolium <scp>l</scp>- and <scp>d</scp>-Camphorsulfonate. Chemistry of Materials, 2021, 33, 5769-5779.	3.2	24
138	An organic plastic ferroelectric with high Curie point. Chemical Science, 2022, 13, 748-753.	3.7	23
139	A Cu(I) coordination polymer employing a nonsteroidal aromatase inhibitor letrozole as a building blockâ€. Dalton Transactions RSC, 2001, , 2071-2073.	2.3	22
140	A Novel Three-Dimensional Network Isophthalato-Bridged Lanthanide Complex: {Ln[C6H4(COOâˆ)2-1,3](CH3COOâˆ)(H2O)2}Â·H2O. Journal of Coordination Chemistry, 2002, 55, 835-842.	0.8	22
141	Iso-structural phase transition in tetramethylammonium nickel(II) nitrite [(CH3)4N][Ni(NO2)3]. Chinese Chemical Letters, 2014, 25, 844-848.	4.8	20
142	A Novel Dimeric Zinc Complex:â€‰Bis{Î¼-[(dimercaptomethylene)propanedinitrilato-S,Sâ€˜]}tetrakis(4-methylpyridine)dizinc(II)âˆ’Chloroform. Inorganic Chemistry, 1997, 36, 2472-2474.	1.9	19
143	Tanklike Metalâˆ’Organic Framework Filled with Perchloric Acid and Its Dielectricâˆ’Ferroelectric Properties. Crystal Growth and Design, 2009, 9, 2054-2056.	1.4	19
144	Ferroelectric Homochiral Organic Molecular Crystals. Crystal Growth and Design, 2010, 10, 1025-1027.	1.4	19

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145	The first example of a molecule-based ferroelectric with barium cation: catena-(Î¼2-nitrito-O,O)-bi-aqua-(18-crown-6)-barium nitrite. Journal of Materials Chemistry, 2012, 22, 17525.	6.7	18
146	A Threeâ€Dimensional M₃ABâ€Type Hybrid Organicâ€“Inorganic Antiperovskite Ferroelectric: [C₃H₇FN]₃[SnCl₆]Cl. Chemistry - A European Journal, 2019, 25, 16625-16629.	1.7	18
147	Ferroelectric Lithography in Singleâ€Component Organic Enantiomorphic Ferroelectrics. Angewandte Chemie - International Edition, 2022, 61, .	7.2	18
148	A Ferroelectric Iron(II) Spin Crossover Material. Angewandte Chemie, 2017, 129, 14240-14244.	1.6	17
149	Experimental Evidence for a Triboluminescent Antiperovskite Ferroelectric: Tris(trimethylammonium) catenaâ€Triâ€Î¼â€chloroâ€manganate(II) Tetrachloromanganate(II). Angewandte Chemie, 2018, 130, 12115-12118.	1.6	17
150	A Nickel(II) Nitrite Based Molecular Perovskite Ferroelectric. Angewandte Chemie, 2019, 131, 8949-8953.	1.6	17
151	Salicylideneaniline is a Photoswitchable Ferroelectric Crystal. Chemistry - A European Journal, 2021, 27, 14831-14835.	1.7	17
152	Domain memory effect in the organic ferroics. Nature Communications, 2022, 13, 2379.	5.8	17
153	A Chiral Thermochromic Ferroelastic with Seven Physical Channel Switches. Angewandte Chemie, 2020, 132, 9661-9665.	1.6	16
154	A Molecular Thermochromic Ferroelectric. Angewandte Chemie, 2020, 132, 3523-3527.	1.6	15
155	An unprecedented azobenzene-based organic single-component ferroelectric. Chemical Science, 2022, 13, 4936-4943.	3.7	12
156	Homochiral Multiferroic Cyanidoâ€Bridged Dimetallic Complexes Assembled by Câ‹¯Fâ‹…â‹…â‹…â‹…K Interactions. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
157	Crystallographic report: Bis(norfloxacin)dilead(II) tetranitrate, [Pb2(H-Norf)2(ONO2)4]. Applied Organometallic Chemistry, 2003, 17, 883-884.	1.7	11
158	An unprecedented 2-D rhombic molecular grid with a triangular cavity and a V4O6 cluster as the corner unit. Dalton Transactions RSC, 2001, , 777-779.	2.3	10
159	Light-controlled molecular resistive switching ferroelectric heterojunction. Materials Today, 2020, 34, 51-57.	8.3	10
160	The synthesis, characterization and crystal structure of trans-bis-(4-methylpyridine)bis(8-quinolinolato-N1,O8)nickel(II)monohydrate. Transition Metal Chemistry, 1995, 20, 498-500.	0.7	9
161	Crystallographic report: Crystal structure of the first alkaline earth metal compound with the antibacterial drug sulfasalazine: [Sr(H-Sulf)(H2O)6](H-Sulf)Â·3H2O. Applied Organometallic Chemistry, 2003, 17, 887-888.	1.7	9
162	The distinguishing of cisâ€“trans isomers enabled via dielectric/ferroelectric signal feedback in a supramolecular Cu(1,10-phenanthroline)₂SeO₄Â·(diol) system. Journal of Materials Chemistry C, 2019, 7, 11022-11028.	2.7	9

#	Article	IF	Citations
163	MOLECULAR RECOGNITION OF AN ORGANIC MOLECULE THROUGH A TWO DIMENSIONAL SQUARE NETWORK INCLUSION COMPLEX. SYNTHESIS AND CRYSTAL STRUCTURE OF [Cd(4,4â€²-bpy)₂(H₂O)₂] (BF₄)₂ Â· 2(4,4â€²-bpy) Â· (C₆H₆N₂O₂) Â· 2H₂O. Journal of Coordination Chemistry, 1998, 46, 211-220.	1.6	8
164	Crystallographic report: Polymeric{bis[5-(2-aminobenzyl)tetrazolato] cadmium(II)}n. Applied Organometallic Chemistry, 2004, 18, 494-495.	1.7	8
165	The First Homochiral Diamondâ€Like Coordination Polymer Containing Cubane Cluster (Cu₄I₄) as Connecting Node and Cinchonine as Donorâ€Acceptor (or Pushâ€Pull) Tj ETQq1 1 0.784314 rgBT	2.6	8
166	Metalâ€“organic ferroelectric complexes: enantiomer directional induction achieved above-room-temperature homochiral molecular ferroelectrics. Inorganic Chemistry Frontiers, 2020, 7, 128-133.	3.0	8
167	Rational Design of Molecular Ferroelectrics with Negatively Charged Domain Walls. Journal of the American Chemical Society, 2022, 144, 13806-13814.	6.6	8
168	Synthesis, Magnetic and Spectral Properties of One-dimension Chain Adducts of Ni(Bu-dtp)2, NiQ2 and Ni(TTA)2 with 4,4'-bipyridine. Crystal Structure of [4,4'-(bipy)-Ni(Bu-dtp)2]n (Bu-dtp=dibutyldithiophosphate, Q=8-quinolinol,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 Td (TTA=4,4,4-trifluoro-1-(2-thienyl)-l,3-butan	0.4	7
	30, 403-413.		
169	Solvent Selective Effect Occurs in Iodinated Adamantanone Ferroelectrics. Advanced Science, 2022, 9, e2201702.	5.6	7
170	High-temperature enantiomeric azobenzene-based photoisomerized piezoelectrics: 2021, 5, 8371-8379.	3.2	5
171	The First Highâ€Temperature Supramolecular Radical Ferroics. Angewandte Chemie, 2021, 133, 16804-16809.	1.6	4
172	Crystallographic report: A two-dimensional homochiral coordination polymer:[cadmium(II) bis(S-(â^')-lactate)]n. Applied Organometallic Chemistry, 2004, 18, 480-481.	1.7	3
173	Ferroelectric Lithography in Singleâ€Component Organic Enantiomorphic Ferroelectrics. Angewandte Chemie, 2022, 134, .	1.6	3
174	Unprecedented Ferroelectricity and Ferromagnetism in a Cr²⁺â€Based Twoâ€Dimensional Hybrid Perovskite. Angewandte Chemie, 2022, 134, .	1.6	3
175	Antiwear and Extreme-Pressure Action of Copper(II) Complex With Alkyl Phosphonic Acid Mono Alkyl Ester. Journal of Tribology, 1996, 118, 676-680.	1.0	2
176	Crystallographic report: Polymeric [diaqua bis(3-pyridylacrylato)zinc(II)]. Applied Organometallic Chemistry, 2005, 19, 189-190.	1.7	2
177	InnenrÃ¼cktitelbild: The Narrowest Band Gap Ever Observed in Molecular Ferroelectrics: Hexaneâ€1,6â€diammonium Pentaiodobismuth(III) (Angew. Chem. 2/2018). Angewandte Chemie, 2018, 130, 603-603.	1.6	0
178	Homochiral Multiferroic Cyanidoâ€Bridged Dimetallic Complexes Assembled by Câ€“FÂ·Â·Â·K Interactions. Angewandte Chemie, 0, , .	1.6	0