

Ren-Gen Xiong

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8312837/ren-gen-xiong-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170
papers

15,914
citations

67
h-index

124
g-index

183
ext. papers

18,688
ext. citations

13.6
avg, IF

6.95
L-index

#	Paper	IF	Citations
170	Ferroelectric metal-organic frameworks. <i>Chemical Reviews</i> , 2012 , 112, 1163-95	68.1	1008
169	Diisopropylammonium bromide is a high-temperature molecular ferroelectric crystal. <i>Science</i> , 2013 , 339, 425-8	33.3	583
168	Low-bandgap mixed tin/lead iodide perovskite absorbers with long carrier lifetimes for all-perovskite tandem solar cells. <i>Nature Energy</i> , 2017 , 2,	62.3	515
167	An organic-inorganic perovskite ferroelectric with large piezoelectric response. <i>Science</i> , 2017 , 357, 306-309	39.3	506
166	Lead-Free Inverted Planar Formamidinium Tin Triiodide Perovskite Solar Cells Achieving Power Conversion Efficiencies up to 6.22. <i>Advanced Materials</i> , 2016 , 28, 9333-9340	24	480
165	Novel, acentric metal-organic coordination polymers from hydrothermal reactions involving in situ ligand synthesis. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3800-3	16.4	457
164	A lead-halide perovskite molecular ferroelectric semiconductor. <i>Nature Communications</i> , 2015 , 6, 7338	17.4	430
163	Coexistence of magnetic and electric orderings in the metal-formate frameworks of [NH ₄][M(HCOO) ₃]. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14948-51	16.4	413
162	Ferroelectric metal-organic framework with a high dielectric constant. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6554-5	16.4	392
161	Metal-free three-dimensional perovskite ferroelectrics. <i>Science</i> , 2018 , 361, 151-155	33.3	360
160	Symmetry breaking in molecular ferroelectrics. <i>Chemical Society Reviews</i> , 2016 , 45, 3811-27	58.5	341
159	Fabrication of Efficient Low-Bandgap Perovskite Solar Cells by Combining Formamidinium Tin Iodide with Methylammonium Lead Iodide. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12360-3	16.4	298
158	A multiferroic perdeutero metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11947-51	16.4	291
157	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
156	Tunable and switchable dielectric constant in an amphidynamic crystal. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5230-3	16.4	264
155	Metal-organic complex ferroelectrics. <i>Chemical Society Reviews</i> , 2011 , 40, 3577-98	58.5	261
154	Exceptional dielectric phase transitions in a perovskite-type cage compound. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6608-10	16.4	254

- 153 A molecular perovskite solid solution with piezoelectricity stronger than lead zirconate titanate. *Science*, **2019**, 363, 1206-1210 33.3 253
- 152 Highly Efficient Red-Light Emission in An Organic-Inorganic Hybrid Ferroelectric: (Pyrrolidinium)MnCl₂. *Journal of the American Chemical Society*, **2015**, 137, 4928-31 16.4 250
- 151 Supramolecular bola-like ferroelectric: 4-methoxyanilinium tetrafluoroborate-18-crown-6. *Journal of the American Chemical Society*, **2011**, 133, 12780-6 16.4 248
- 150 Bandgap Engineering of Lead-Halide Perovskite-Type Ferroelectrics. *Advanced Materials*, **2016**, 28, 2579-86 16.4 231
- 149 The First Organic-Inorganic Hybrid Luminescent Multiferroic: (Pyrrolidinium)MnBr₃. *Advanced Materials*, **2015**, 27, 3942-6 24 199
- 148 Metal-organic coordination compounds for potential ferroelectrics. *Coordination Chemistry Reviews*, **2009**, 253, 2980-2997 23.2 196
- 147 High-Temperature Ferroelectricity and Photoluminescence in a Hybrid Organic-Inorganic Compound: (3-Pyrrolinium)MnCl₃. *Journal of the American Chemical Society*, **2015**, 137, 13148-54 16.4 191
- 146 A Molecular Perovskite with Switchable Coordination Bonds for High-Temperature Multiaxial Ferroelectrics. *Journal of the American Chemical Society*, **2017**, 139, 6369-6375 16.4 187
- 145 2D molecular square grid with strong blue fluorescent emission: a complex of norfloxacin with zinc(II). *Inorganic Chemistry*, **2001**, 40, 4075-7 5.1 173
- 144 The First 2D Homochiral Lead Iodide Perovskite Ferroelectrics: [R- and S-1-(4-Chlorophenyl)ethylammonium] PbI₂. *Advanced Materials*, **2019**, 31, e1808088 24 169
- 143 Nanoscale homochiral C(3)-symmetric mixed-valence manganese cluster complexes with both ferromagnetic and ferroelectric properties. *Journal of the American Chemical Society*, **2010**, 132, 4044-5 16.4 159
- 142 Precise Molecular Design of High-T 3D Organic-Inorganic Perovskite Ferroelectric: [MeHdabco]RbI (MeHdabco = N-Methyl-1,4-diazoniabicyclo[2.2.2]octane). *Journal of the American Chemical Society*, **2017**, 139, 10897-10902 16.4 149
- 141 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 5.8 143
- 140 Ferroelectricity induced by ordering of twisting motion in a molecular rotor. *Journal of the American Chemical Society*, **2012**, 134, 11044-9 16.4 140
- 139 An above-room-temperature ferroelectric organo-metal halide perovskite: (3-pyrrolinium)(CdCl₂)₂. *Angewandte Chemie - International Edition*, **2014**, 53, 11242-7 16.4 139
- 138 New ferroelectrics based on divalent metal ion alum. *Journal of the American Chemical Society*, **2009**, 131, 12544-5 16.4 138
- 137 Toward the Targeted Design of Molecular Ferroelectrics: Modifying Molecular Symmetries and Homochirality. *Accounts of Chemical Research*, **2019**, 52, 1928-1938 24.3 130
- 136 4-(cyanomethyl)anilinium perchlorate: a new displacive-type molecular ferroelectric. *Physical Review Letters*, **2011**, 107, 147601 7.4 125

- 135 A Three-Dimensional Molecular Perovskite Ferroelectric: (3-Ammoniopyrrolidinium)RbBr. *Journal of the American Chemical Society*, **2017**, 139, 3954-3957 16.4 121
- 134 Large Piezoelectric Effect in a Lead-Free Molecular Ferroelectric Thin Film. *Journal of the American Chemical Society*, **2017**, 139, 18071-18077 16.4 121
- 133 Solid state molecular dynamic investigation of an inclusion ferroelectric: [(2,6-diisopropylanilinium)([18]crown-6)]BF₄. *Journal of the American Chemical Society*, **2014**, 136, 10033-40 16.4 118
- 132 4-Methoxyanilinium perrhenate 18-crown-6: a new ferroelectric with order originating in swinglike motion slowing down. *Physical Review Letters*, **2013**, 110, 257601 7.4 115
- 131 Multiaxial Molecular Ferroelectric Thin Films Bring Light to Practical Applications. *Journal of the American Chemical Society*, **2018**, 140, 8051-8059 16.4 111
- 130 Switchable dielectric, piezoelectric, and second-harmonic generation bistability in a new improper ferroelectric above room temperature. *Advanced Materials*, **2014**, 26, 4515-20 24 111
- 129 A Room-Temperature Hybrid Lead Iodide Perovskite Ferroelectric. *Journal of the American Chemical Society*, **2018**, 140, 12296-12302 16.4 111
- 128 Dynamics of a caged imidazolium cation-toward understanding the order-disorder phase transition and the switchable dielectric constant. *Chemical Communications*, **2015**, 51, 4568-71 5.8 109
- 127 Blue to Red Fluorescent Emission Tuning of a Cadmium Coordination Polymer by Conjugated Ligands. *European Journal of Inorganic Chemistry*, **2003**, 2003, 2572-2577 2.3 108
- 126 Molecular Design Principles for Ferroelectrics: Ferroelectrochemistry. *Journal of the American Chemical Society*, **2020**, 142, 15205-15218 16.4 108
- 125 Competitive Halogen Bond in the Molecular Ferroelectric with Large Piezoelectric Response. *Journal of the American Chemical Society*, **2018**, 140, 3975-3980 16.4 106
- 124 An order-disorder ferroelectric host-guest inclusion compound. *Angewandte Chemie - International Edition*, **2014**, 53, 2114-8 16.4 105
- 123 Atomistic Mechanism of Broadband Emission in Metal Halide Perovskites. *Journal of Physical Chemistry Letters*, **2019**, 10, 501-506 6.4 105
- 122 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 104
- 121 Fluorine Substitution Induced High T of Enantiomeric Perovskite Ferroelectrics: (R) - and (S) -3-(Fluoropyrrolidinium)MnCl. *Journal of the American Chemical Society*, **2019**, 141, 4474-4479 16.4 100
- 120 Anomalous rotary polarization discovered in homochiral organic ferroelectrics. *Nature Communications*, **2016**, 7, 13635 17.4 100
- 119 Molecular Ferroelectric with Most Equivalent Polarization Directions Induced by the Plastic Phase Transition. *Journal of the American Chemical Society*, **2016**, 138, 13175-13178 16.4 97
- 118 Room-temperature ABX₃-typed molecular ferroelectric: [C₅H₉NH₃][CdCl₃]. *Inorganic Chemistry Frontiers*, **2014**, 1, 118 6.8 95

117	In situ ligand synthesis and the first crystallographically characterized lanthanide 3-D pillared networks containing benzene-1,4-disulfonate as a building block. <i>Dalton Transactions RSC</i> , 2001 , 780-782		94
116	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
115	Two-Dimensional Organic-Inorganic Perovskite Ferroelectric Semiconductors with Fluorinated Aromatic Spacers. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18334-18340	16.4	92
114	Novel Phase-Transition Materials Coupled with Switchable Dielectric, Magnetic, and Optical Properties: [(CH ₃) ₄ P][FeCl ₄] and [(CH ₃) ₄ P][FeBr ₄]. <i>Chemistry of Materials</i> , 2014 , 26, 6042-6049	9.6	81
113	Ultrafast Polarization Switching in a Biaxial Molecular Ferroelectric Thin Film: [Hdabco]ClO. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15784-15789	16.4	80
112	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
111	Organic enantiomeric high-ferroelectrics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5878-5885	11.5	76
110	X-Ray crystal structures of Mg ²⁺ and Ca ²⁺ dimers of the antibacterial drug norfloxacin. <i>Dalton Transactions RSC</i> , 2000 , 4013-4014		75
109	Fluorinated 2D Lead Iodide Perovskite Ferroelectrics. <i>Advanced Materials</i> , 2019 , 31, e1901843	24	74
108	Observation of Vortex Domains in a Two-Dimensional Lead Iodide Perovskite Ferroelectric. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4925-4931	16.4	74
107	Molecular ferroelectrics: where electronics meet biology. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20786-96	3.6	74
106	Two-Dimensional Layered Perovskite Ferroelectric with Giant Piezoelectric Voltage Coefficient. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1077-1082	16.4	73
105	H/F-Substitution-Induced Homochirality for Designing High-T Molecular Perovskite Ferroelectrics. <i>Advanced Materials</i> , 2019 , 31, e1902163	24	72
104	A Multiaxial Molecular Ferroelectric with Highest Curie Temperature and Fastest Polarization Switching. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13903-13908	16.4	67
103	De Novo Discovery of [Hdabco]BF Molecular Ferroelectric Thin Film for Nonvolatile Low-Voltage Memories. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1319-1324	16.4	65
102	Quinuclidinium salt ferroelectric thin-film with duodecuple-rotational polarization-directions. <i>Nature Communications</i> , 2017 , 8, 14934	17.4	62
101	Unprecedented Ferroelectric-Antiferroelectric-Paraelectric Phase Transitions Discovered in an Organic-Inorganic Hybrid Perovskite. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8752-8757	16.4	59
100	Discovery of an Antiperovskite Ferroelectric in [(CH ₃)NH](MnBr)(MnBr). <i>Journal of the American Chemical Society</i> , 2018 , 140, 8110-8113	16.4	59

- 99 The Narrowest Band Gap Ever Observed in Molecular Ferroelectrics: Hexane-1,6-diammonium Pentaiodobismuth(III). *Angewandte Chemie - International Edition*, **2018**, 57, 526-530 16.4 59
- 98 Confinement-Driven Ferroelectricity in a Two-Dimensional Hybrid Lead Iodide Perovskite. *Journal of the American Chemical Society*, **2020**, 142, 10212-10218 16.4 57
- 97 A displacive-type metal crown ether ferroelectric compound: Ca(NO₃)₂(15-crown-5). *Angewandte Chemie - International Edition*, **2014**, 53, 6724-9 16.4 54
- 96 Crystal structure of zinc(II) 2-sulfanilamidopyrimidine: a widely used topical burn drug. *Dalton Transactions RSC*, **2001**, 774-776 54
- 95 A sequentially switchable molecular dielectric material tuned by the stepwise ordering in diisopropylammonium trifluoromethanesulfonate. *Journal of Materials Chemistry C*, **2014**, 2, 2341-2345 7.1 53
- 94 A Molecular Polycrystalline Ferroelectric with Record-High Phase Transition Temperature. *Advanced Materials*, **2017**, 29, 1700831 24 53
- 93 A Three-Dimensional Lead Halide Perovskite-Related Ferroelectric. *Journal of the American Chemical Society*, **2020**, 142, 4604-4608 16.4 50
- 92 The first four-fold interpenetrating diamondoid framework that traps gaseous molecules: {Zn[trans-3-(4-pyridyl)acrylate]₂[(trans-2-butene)]_n}. *Dalton Transactions RSC*, **2001**, 1806-1808 50
- 91 A Multiferroic Perdeutero Metal-Organic Framework. *Angewandte Chemie*, **2011**, 123, 12153-12157 3.6 49
- 90 A highly stable copper(I)-olefin coordination polymer with strong red fluorescent emission. *Chemical Communications*, **2000**, 1495-1496 5.8 48
- 89 Olefin-Copper(I) Complexes and their Properties. *Topics in Catalysis*, **2005**, 35, 43-61 2.3 46
- 88 Highly stable copper(I)-olefin coordination polymers capable of co-existing with water and acid. *Dalton Transactions RSC*, **2000**, 2898-2900 46
- 87 Fluoridation Achieved Antiperovskite Molecular Ferroelectric in [(CH)(F-CHCH)NH](CdCl)(CdCl). *Journal of the American Chemical Society*, **2019**, 141, 4372-4378 16.4 45
- 86 The First Highly Stable Homochiral Olefin-Copper(I) 2D Coordination Polymer Grid Based on Quinine as a Building Block. *Organometallics*, **2003**, 22, 2814-2816 3.8 44
- 85 Piezoelectric Energy Harvesting Based on Multiaxial Ferroelectrics by Precise Molecular Design. *Matter*, **2020**, 2, 697-710 12.7 44
- 84 Directional Intermolecular Interactions for Precise Molecular Design of a High- T Multiaxial Molecular Ferroelectric. *Journal of the American Chemical Society*, **2019**, 141, 1781-1787 16.4 43
- 83 An Above-Room-Temperature Ferroelectric Organometal Halide Perovskite: (3-Pyrrolinium)(CdCl₃). *Angewandte Chemie*, **2014**, 126, 11424-11429 3.6 42
- 82 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, 2382-2385 3.5 42

81	A Chiral Thermochromic Ferroelastic with Seven Physical Channel Switches. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9574-9578	16.4	41
80	A semiconducting molecular ferroelectric with a bandgap much lower than that of BiFeO ₃ . <i>NPG Asia Materials</i> , 2017 , 9, e342-e342	10.3	40
79	Visualization of Room-Temperature Ferroelectricity and Polarization Rotation in the Thin Film of Quinuclidinium Perrhenate. <i>Physical Review Letters</i> , 2017 , 119, 207602	7.4	40
78	Molecule-displacive ferroelectricity in organic supramolecular solids. <i>Scientific Reports</i> , 2013 , 3, 2249	4.9	39
77	The first chiral 2-D molecular triangular grid. <i>Dalton Transactions RSC</i> , 2000 , 4010-4012		39
76	A Ferroelectric Iron(II) Spin Crossover Material. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14058-14058	16.4	38
75	Large Electrostrictive Coefficient in a Two-Dimensional Hybrid Perovskite Ferroelectric. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1664-1672	16.4	37
74	A Molecular Thermochromic Ferroelectric. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3495-3495	16.4	36
73	Two-Dimensional Hybrid Perovskite Ferroelectric Induced by Perfluorinated Substitution. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20208-20215	16.4	34
72	Tunable electroresistance and electro-optic effects of transparent molecular ferroelectrics. <i>Science Advances</i> , 2017 , 3, e1701008	14.3	33
71	Organometallic-Based Hybrid Perovskite Piezoelectrics with a Narrow Band Gap. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17787-17794	16.4	33
70	Molecular Ferroelectrics-Driven High-Performance Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19974-19982	16.4	33
69	An Order-Disorder Ferroelectric Host-Guest Inclusion Compound. <i>Angewandte Chemie</i> , 2014 , 126, 2146-2150	15.0	32
68	A homochiral Zn-Dy heterometallic left-handed helical chain complex without chiral ligands: anion-induced assembly and multifunctional integration. <i>Chemical Communications</i> , 2018 , 54, 13379-13382	5.8	32
67	Record Enhancement of Phase Transition Temperature Realized by H/F Substitution. <i>Advanced Materials</i> , 2020 , 32, e2003530	24	30
66	Dielectric and ferroelectric sensing based on molecular recognition in Cu(1,10-phenothroline)SeO ₄ (diol) systems. <i>Nature Communications</i> , 2017 , 8, 14551	17.4	29
65	Methylphosphonium Tin Bromide: A 3D Perovskite Molecular Ferroelectric Semiconductor. <i>Advanced Materials</i> , 2020 , 32, e2005213	24	26
64	An above-room-temperature phosphonium-based molecular ferroelectric perovskite, [(CH ₃) ₄ P]CdCl ₃ , with Sb ³⁺ -doped luminescence. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	25

63	Comment on "Ferroelectric order of parallel bistable hydrogen bonds". <i>Physical Review Letters</i> , 2012 , 109, 169601; discussion 169602	7.4	24
62	Two Polymeric Complexes of Norfloxacin with Iron(II) and Their Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 2920-2923	2.3	24
61	The Narrowest Band Gap Ever Observed in Molecular Ferroelectrics: Hexane-1,6-diammonium Pentaiodobismuth(III). <i>Angewandte Chemie</i> , 2018 , 130, 535-539	3.6	23
60	Rational Design of Ceramic-Like Molecular Ferroelectric by Quasi-Spherical Theory. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1995-2000	16.4	23
59	A Nickel(II) Nitrite Based Molecular Perovskite Ferroelectric. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8857-8861	16.4	22
58	An Above-Room-Temperature Molecular Ferroelectric: [Cyclopentylammonium]CdBr. <i>Inorganic Chemistry</i> , 2020 , 59, 829-836	5.1	22
57	A multiaxial lead-free two-dimensional organic-inorganic perovskite ferroelectric. <i>National Science Review</i> , 2021 , 8, nwaa232	10.8	22
56	The first high-temperature multiaxial ferroelectric host-guest inclusion compound. <i>Chemical Communications</i> , 2019 , 55, 11571-11574	5.8	21
55	Narrow Band Gap Observed in a Molecular Ferroelastic: Ferrocenium Tetrachloroferrate. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3240-3245	16.4	21
54	Unprecedented Homochiral Olefin-Copper(I) 2D Coordination Polymer Grid Based on Chiral Ammonium Salts as Building Blocks. <i>Organometallics</i> , 2003 , 22, 4396-4398	3.8	21
53	PFM (piezoresponse force microscopy)-aided design for molecular ferroelectrics. <i>Chemical Society Reviews</i> , 2021 , 50, 8248-8278	58.5	21
52	Experimental Evidence for a Triboluminescent Antiperovskite Ferroelectric: Tris(trimethylammonium) catena-Tri-Chloro-manganate(II) Tetrachloromanganate(II). <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11939-11942	16.4	20
51	A Novel Three-Dimensional Network Isophthalato-Bridged Lanthanide Complex: {Ln[C ₆ H ₄ (COO)] ₂ -1,3}(CH ₃ COO)(H ₂ O) ₂ }·H ₂ O. <i>Journal of Coordination Chemistry</i> , 2002 , 55, 835-842	1.6	20
50	A Cu(I) coordination polymer employing a nonsteroidal aromatase inhibitor letrozole as a building block. <i>Dalton Transactions RSC</i> , 2001 , 2071-2073		20
49	Three Properties in One Coordination Complex: Chirality, Spin Crossover, and Dielectric Switching. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 3144-3149	2.3	20
48	Ferroelectric Homochiral Organic Molecular Crystals. <i>Crystal Growth and Design</i> , 2010 , 10, 1025-1027	3.5	18
47	Tanklike Metal-Organic Framework Filled with Perchloric Acid and Its Dielectric/Ferroelectric Properties. <i>Crystal Growth and Design</i> , 2009 , 9, 2054-2056	3.5	18
46	Record Enhancement of Curie Temperature in Host-Guest Inclusion Ferroelectrics. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5091-5098	16.4	18

45	Bistable State of Protons for Low-Voltage Memories. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9000-9006	16.4	16
44	Chiral Molecular Ferroelectrics with Polarized Optical Effect and Electroresistive Switching. <i>ACS Nano</i> , 2017 , 11, 11739-11745	16.7	16
43	A Novel Dimeric Zinc Complex: Bis(μ -[(dimercaptomethylene)propanedinitrilato-S,S])tetrakis(4-methylpyridine)dizinc(II)-Chloroform. <i>Inorganic Chemistry</i> , 1997 , 36, 2472-2474	5.1	16
42	Iso-structural phase transition in tetramethylammonium nickel(II) nitrite [(CH ₃) ₄ N][Ni(NO ₂) ₃]. <i>Chinese Chemical Letters</i> , 2014 , 25, 844-848	8.1	15
41	A Ferroelectric Iron(II) Spin Crossover Material. <i>Angewandte Chemie</i> , 2017 , 129, 14240-14244	3.6	15
40	The first example of a molecule-based ferroelectric with barium cation: catena-(μ -nitrito-O,O)-bi-aqua-(18-crown-6)-barium nitrite. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17525		14
39	Fluorination observed T increase of 110 K is challenging the hydrogen-deuterium isotope effect. <i>Chemical Communications</i> , 2019 , 55, 10007-10010	5.8	13
38	A Molecular Ferroelectric Thin Film of Imidazolium Perchlorate That Shows Superior Electromechanical Coupling. <i>Angewandte Chemie</i> , 2014 , 126, 5164-5168	3.6	13
37	Experimental Evidence for a Triboluminescent Antiperovskite Ferroelectric: Tris(trimethylammonium) catena-Tri-Chloro-manganate(II) Tetrachloromanganate(II). <i>Angewandte Chemie</i> , 2018 , 130, 12115-12118	3.6	13
36	A Displacive-Type Metal Crown Ether Ferroelectric Compound: Ca(NO ₃) ₂ (15-crown-5). <i>Angewandte Chemie</i> , 2014 , 126, 6842-6847	3.6	12
35	Crystallographic report: Bis(norfloxacin)dilead(II) tetranitrate, [Pb ₂ (H-Norf) ₂ (ONO ₂) ₄]. <i>Applied Organometallic Chemistry</i> , 2003 , 17, 883-884	3.1	11
34	Highly Efficient 1D/3D Ferroelectric Perovskite Solar Cell. <i>Advanced Functional Materials</i> , 2021 , 31, 2100205	10.5	11
33	Ferroelectrochemistry. <i>APL Materials</i> , 2021 , 9, 051112	5.7	11
32	Optical Control of Polarization Switching in a Single-Component Organic Ferroelectric Crystal. <i>Journal of the American Chemical Society</i> , 2021 , 143, 13816-13823	16.4	11
31	A Three-Dimensional M AB-Type Hybrid Organic-Inorganic Antiperovskite Ferroelectric: [C H FN] [SnCl]Cl. <i>Chemistry - A European Journal</i> , 2019 , 25, 16625	4.8	10
30	An unprecedented 2-D rhombic molecular grid with a triangular cavity and a V ₄ O ₆ cluster as the corner unit. <i>Dalton Transactions RSC</i> , 2001 , 777-779		10
29	Organic Ferroelectric Vortex-Antivortex Domain Structure. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21932-21937	16.4	9
28	A Molecular Thermochromic Ferroelectric. <i>Angewandte Chemie</i> , 2020 , 132, 3523-3527	3.6	9

27	The First High-Temperature Supramolecular Radical Ferroics. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16668-16673	16.4	9
26	A Nickel(II) Nitrite Based Molecular Perovskite Ferroelectric. <i>Angewandte Chemie</i> , 2019 , 131, 8949-8953	3.6	8
25	The First Homochiral Diamond-Like Coordination Polymer Containing Cubane Cluster (Cu ₄ I ₄) as Connecting Node and Cinchonine as Donor-Acceptor (or Push-Pull Electronic Effect) Building Block. <i>Chinese Journal of Chemistry</i> , 2007 , 25, 1405-1408	4.9	8
24	Crystallographic report: Polymeric {bis[5-(2-aminobenzyl)tetrazolato] cadmium(II)} _n . <i>Applied Organometallic Chemistry</i> , 2004 , 18, 494-495	3.1	8
23	The synthesis, characterization and crystal structure of trans-bis-(4-methylpyridine)bis(8-quinolinolato-N1,O8)nickel(II)monohydrate. <i>Transition Metal Chemistry</i> , 1995 , 20, 498-500	2.1	8
22	Multichannel Control of Multiferroicity in Single-Component Homochiral Organic Crystals.. <i>Journal of the American Chemical Society</i> , 2021 , 143, 21685-21693	16.4	8
21	Crystallographic report: Crystal structure of the first alkaline earth metal compound with the antibacterial drug sulfasalazine: [Sr(H-Sulf)(H ₂ O) ₆](H-Sulf)·BH ₂ O. <i>Applied Organometallic Chemistry</i> , 2003 , 17, 887-888	3.1	7
20	MOLECULAR RECOGNITION OF AN ORGANIC MOLECULE THROUGH A TWO DIMENSIONAL SQUARE NETWORK INCLUSION COMPLEX. SYNTHESIS AND CRYSTAL STRUCTURE OF [Cd(4,4'-bpy) ₂ (H ₂ O) ₂] (BF ₄) ₂ · 2(4,4'-bpy) · [C ₆ H ₆ N ₂ O ₂] · 2H ₂ O. <i>Journal of Coordination Chemistry</i> , 1998 , 46, 211-220	1.6	7
19	Optically Induced Ferroelectric Polarization Switching in a Molecular Ferroelectric with Reversible Photoisomerization. <i>Advanced Science</i> , 2021 , 8, e2102614	13.6	7
18	A Chiral Thermochromic Ferroelastic with Seven Physical Channel Switches. <i>Angewandte Chemie</i> , 2020 , 132, 9661-9665	3.6	7
17	Organic Enantiomeric Ferroelectrics with High Piezoelectric Performance: Imidazolium l- and d-Camphorsulfonate. <i>Chemistry of Materials</i> , 2021 , 33, 5769-5779	9.6	7
16	Synthesis, Magnetic and Spectral Properties of One-dimension Chain Adducts of Ni(Bu-dtp) ₂ , NiQ ₂ and Ni(TTA) ₂ with 4,4'-bipyridine. Crystal Structure of [4,4'-(bipy)-Ni(Bu-dtp) ₂] _n (Bu-dtp=dibutylthiophosphate, Q=8-quinolinol, TTA=1,1'-bis[2-(2-thiophenyl)-1,3-butandithionyl], 4,4'-bipy=4,4'-bipyridine). <i>Spectroscopy Letters</i> , 1977 , 10, 40-41	1.1	6
15	H/F substitution for advanced molecular ferroelectrics. <i>Trends in Chemistry</i> , 2021 ,	14.8	6
14	Coexistence of magnetic and electric orderings in a divalent Cr-based multiaxial molecular ferroelectric. <i>Chemical Science</i> , 2021 , 12, 9742-9747	9.4	6
13	An organic plastic ferroelectric with high Curie point.. <i>Chemical Science</i> , 2022 , 13, 748-753	9.4	5
12	Light-controlled molecular resistive switching ferroelectric heterojunction. <i>Materials Today</i> , 2020 , 34, 51-57	21.8	5
11	Salicylideneaniline is a Photoswitchable Ferroelectric Crystal. <i>Chemistry - A European Journal</i> , 2021 , 27, 14831-14835	4.8	4
10	The distinguishing of cis/trans isomers enabled via dielectric/ferroelectric signal feedback in a supramolecular Cu(1,10-phenanthroline) ₂ SeO ₄ ·(diol) system. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11022-11028	7.1	3

- 9 Crystallographic report: A two-dimensional homochiral coordination polymer: [cadmium(II) bis(S-(+)-lactate)]_n. *Applied Organometallic Chemistry*, **2004**, 18, 480-481 3.1 3
- 8 High-temperature enantiomeric azobenzene-based photoisomerized piezoelectrics: 4-(phenyldiazenyl)anilinium) D- and L-tartrate. *Materials Chemistry Frontiers*, 7.8 3
- 7 Metal-organic ferroelectric complexes: enantiomer directional induction achieved above-room-temperature homochiral molecular ferroelectrics. *Inorganic Chemistry Frontiers*, **2020**, 7, 128-133 6.8 3
- 6 Antiwear and Extreme-Pressure Action of Copper(II) Complex With Alkyl Phosphonic Acid Mono Alkyl Ester. *Journal of Tribology*, **1996**, 118, 676-680 1.8 2
- 5 Domain memory effect in the organic ferroics.. *Nature Communications*, **2022**, 13, 2379 17.4 2
- 4 Crystallographic report: Polymeric [diaqua bis(3-pyridylacrylate)zinc(II)]. *Applied Organometallic Chemistry*, **2005**, 19, 189-190 3.1 1
- 3 Solvent Selective Effect Occurs in Iodinated Adamantanone Ferroelectrics.. *Advanced Science*, **2022**, e2201702 11.702 1
- 2 The First High-Temperature Supramolecular Radical Ferroics. *Angewandte Chemie*, **2021**, 133, 16804-16808 9.0 0
- 1 Innenrücktitelbild: The Narrowest Band Gap Ever Observed in Molecular Ferroelectrics: Hexane-1,6-diammonium Pentaiodobismuth(III) (Angew. Chem. 2/2018). *Angewandte Chemie*, **2018**, 130, 603-603 3.6 0