

Yi Zhang

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128
papers

8,125
citations

44
h-index

89
g-index

142
ext. papers

9,890
ext. citations

10.3
avg, IF

6.27
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 128 | Diisopropylammonium bromide is a high-temperature molecular ferroelectric crystal. <i>Science</i> , 2013 , 339, 425-8 | 33.3 | 583 |
| 127 | An organic-inorganic perovskite ferroelectric with large piezoelectric response. <i>Science</i> , 2017 , 357, 306-309 | 33.3 | 506 |
| 126 | A lead-halide perovskite molecular ferroelectric semiconductor. <i>Nature Communications</i> , 2015 , 6, 7338 | 17.4 | 430 |
| 125 | Metal-free three-dimensional perovskite ferroelectrics. <i>Science</i> , 2018 , 361, 151-155 | 33.3 | 360 |
| 124 | Symmetry breaking in molecular ferroelectrics. <i>Chemical Society Reviews</i> , 2016 , 45, 3811-27 | 58.5 | 341 |
| 123 | A multiferroic peroxide metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11947-51 | 16.4 | 291 |
| 122 | Tunable and switchable dielectric constant in an amphidynamic crystal. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5230-3 | 16.4 | 264 |
| 121 | Metal-organic complex ferroelectrics. <i>Chemical Society Reviews</i> , 2011 , 40, 3577-98 | 58.5 | 261 |
| 120 | A molecular perovskite solid solution with piezoelectricity stronger than lead zirconate titanate. <i>Science</i> , 2019 , 363, 1206-1210 | 33.3 | 253 |
| 119 | Highly Efficient Red-Light Emission in An Organic-Inorganic Hybrid Ferroelectric: (Pyrrolidinium)MnCl ₃ . <i>Journal of the American Chemical Society</i> , 2015 , 137, 4928-31 | 16.4 | 250 |
| 118 | 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 |
| 117 | Bandgap Engineering of Lead-Halide Perovskite-Type Ferroelectrics. <i>Advanced Materials</i> , 2016 , 28, 2579-86 | 24 | 231 |
| 116 | The First Organic-Inorganic Hybrid Luminescent Multiferroic: (Pyrrolidinium)MnBr ₃ . <i>Advanced Materials</i> , 2015 , 27, 3942-6 | 24 | 199 |
| 115 | High-Temperature Ferroelectricity and Photoluminescence in a Hybrid Organic-Inorganic Compound: (3-Pyrrolinium)MnCl ₃ . <i>Journal of the American Chemical Society</i> , 2015 , 137, 13148-54 | 16.4 | 191 |
| 114 | The First 2D Homochiral Lead Iodide Perovskite Ferroelectrics: [R- and S-1-(4-Chlorophenyl)ethylammonium] PbI ₃ . <i>Advanced Materials</i> , 2019 , 31, e1808088 | 24 | 169 |
| 113 | Precise Molecular Design of High-T 3D Organic-Inorganic Perovskite Ferroelectric: [MeHdabco]RbI (MeHdabco = N-Methyl-1,4-diazoniabicyclo[2.2.2]octane). <i>Journal of the American Chemical Society</i> , 2017 , 139, 10897-10902 | 16.4 | 149 |
| 112 | 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 |

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|-----|---|------|-----|
| 111 | An above-room-temperature ferroelectric organo-metal halide perovskite: (3-pyrrolinium)(CdCl ₄) <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11242-7 | 16.4 | 139 |
| 110 | A Three-Dimensional Molecular Perovskite Ferroelectric: (3-Ammoniopyrrolidinium)RbBr. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3954-3957 | 16.4 | 121 |
| 109 | Solid state molecular dynamic investigation of an inclusion ferroelectric: [(2,6-diisopropylanilinium)([18]crown-6)]BF ₄ <i>Journal of the American Chemical Society</i> , 2014 , 136, 10033-40 | 16.4 | 118 |
| 108 | 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 |
| 107 | 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 |
| 106 | An order-disorder ferroelectric host-guest inclusion compound. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2114-8 | 16.4 | 105 |
| 105 | Anomalously rotary polarization discovered in homochiral organic ferroelectrics. <i>Nature Communications</i> , 2016 , 7, 13635 | 17.4 | 100 |
| 104 | Two-Dimensional Organic-Inorganic Hybrid Rare-Earth Double Perovskite Ferroelectrics. <i>Journal of the American Chemical Society</i> , 2020 , 142, 545-551 | 16.4 | 100 |
| 103 | Molecular Ferroelectric with Most Equivalent Polarization Directions Induced by the Plastic Phase Transition. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13175-13178 | 16.4 | 97 |
| 102 | Room-temperature ABX ₃ -typed molecular ferroelectric: [C ₅ H ₉ NH ₃][CdCl ₃]. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 118 | 6.8 | 95 |
| 101 | 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 |
| 100 | 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 |
| 99 | 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 |
| 98 | H/F-Substitution-Induced Homochirality for Designing High-T Molecular Perovskite Ferroelectrics. <i>Advanced Materials</i> , 2019 , 31, e1902163 | 24 | 72 |
| 97 | Temperature-triggered reversible dielectric and nonlinear optical switch based on the one-dimensional organic-inorganic hybrid phase transition compound [C ₆ H ₁₁ NH ₃] ₂ CdCl ₄ . <i>Inorganic Chemistry</i> , 2014 , 53, 11146-51 | 5.1 | 69 |
| 96 | 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 |
| 95 | 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 |
| 94 | The Narrowest Band Gap Ever Observed in Molecular Ferroelectrics: Hexane-1,6-diammonium Pentaiodobismuth(III). <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 526-530 | 16.4 | 59 |

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|----|---|------|----|
| 93 | Phase transitions and dielectric properties of a hexagonal ABX ₃ perovskite-type organic-inorganic hybrid compound: [C ₃ H ₄ N ₅][CdBr ₃]. <i>Dalton Transactions</i> , 2015 , 44, 10614-20 | 4.3 | 57 |
| 92 | Centimeter-Sized Single Crystals of Two-Dimensional Hybrid Iodide Double Perovskite (4,4-Difluoropiperidinium) ₄ AgBiI ₈ for High-Temperature Ferroelectricity and Efficient X-Ray Detection. <i>Advanced Functional Materials</i> , 2021 , 31, 2009457 | 15.6 | 57 |
| 91 | A displacive-type metal crown ether ferroelectric compound: Ca(NO ₃) ₂ (15-crown-5). <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6724-9 | 16.4 | 54 |
| 90 | Dielectric and photoluminescence properties of a layered perovskite-type organic-inorganic hybrid phase transition compound: NH ₃ (CH ₂) ₅ NH ₃ MnCl ₄ . <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1881-1885 | 7.1 | 53 |
| 89 | Switchable Nonlinear Optical and Tunable Luminescent Properties Triggered by Multiple Phase Transitions in a Perovskite-Like Compound. <i>Inorganic Chemistry</i> , 2017 , 56, 3238-3244 | 5.1 | 52 |
| 88 | A Three-Dimensional Lead Halide Perovskite-Related Ferroelectric. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4604-4608 | 16.4 | 50 |
| 87 | A Multiferroic Perdeutero Metal-Organic Framework. <i>Angewandte Chemie</i> , 2011 , 123, 12153-12157 | 3.6 | 49 |
| 86 | Above-room-temperature molecular ferroelectric and fast switchable dielectric of diisopropylammonium perchlorate. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9957-9963 | 7.1 | 48 |
| 85 | Fluoridation Achieved Antiperovskite Molecular Ferroelectric in [(CH)(F-CHCH)NH](CdCl)(CdCl). <i>Journal of the American Chemical Society</i> , 2019 , 141, 4372-4378 | 16.4 | 45 |
| 84 | Sequential structural transitions with distinct dielectric responses in a layered perovskite organic-inorganic hybrid material: [C ₄ H ₉ N] ₂ [PbBr ₄]. <i>Dalton Transactions</i> , 2015 , 44, 20406-12 | 4.3 | 44 |
| 83 | Piezoelectric Energy Harvesting Based on Multiaxial Ferroelectrics by Precise Molecular Design. <i>Matter</i> , 2020 , 2, 697-710 | 12.7 | 44 |
| 82 | Structural phase transitions of a layered organic-inorganic hybrid compound: tetra(cyclopentylammonium) decachlorotricadmate(II), [C ₅ H ₉ N] ₄ [CdCl ₁₀]. <i>Inorganic Chemistry</i> , 2014 , 53, 8913-8 | 5.1 | 42 |
| 81 | 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 |
| 80 | Large Piezoelectric Response in Hybrid Rare-Earth Double Perovskite Relaxor Ferroelectrics. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9634-9641 | 16.4 | 40 |
| 79 | Structure-Triggered High Quantum Yield Luminescence and Switchable Dielectric Properties in Manganese(II) Based Hybrid Compounds. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 981-5 | 4.5 | 40 |
| 78 | 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 |
| 77 | A Molecular Thermochromic Ferroelectric. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3495-3496 | 16.4 | 36 |
| 76 | Reversible Phase Transition of 1,4-Diazoniabicyclo[2.2.2]octane-1-acetate-4-acetic Acid Chloride Trihydrate. <i>Crystal Growth and Design</i> , 2013 , 13, 4025-4030 | 3.5 | 35 |

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|----|--|------|----|
| 75 | Unprecedented 2D Homochiral Hybrid Lead-Iodide Perovskite Thermo-chromic Ferroelectrics with Ferroelastic Switching. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10730-10735 | 16.4 | 33 |
| 74 | 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 |
| 73 | Notable Broad Dielectric Relaxation and Highly Efficient Red Photoluminescence in a Perovskite-Type Compound: (N-Methylpyrrolidinium)MnCl. <i>Inorganic Chemistry</i> , 2017 , 56, 12193-12198 | 5.1 | 28 |
| 72 | High quantum yield and unusual photoluminescence behaviour in tetrahedral manganese(II) based on hybrid compounds. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2615-2619 | 6.8 | 28 |
| 71 | Structural characterization, phase transition and switchable dielectric behaviors in a new zigzag chain organic-inorganic hybrid compound: [C ₃ H ₇ NH ₃] ₂ SbI ₅ . <i>Dalton Transactions</i> , 2016 , 45, 5229-33 | 4.3 | 27 |
| 70 | Temperature-Triggered Dielectric-Optical Duple Switch Based on an Organic-Inorganic Hybrid Phase Transition Crystal: [C ₅ N ₂ H ₁₆] ₂ SbBr ₅ . <i>Inorganic Chemistry</i> , 2016 , 55, 7661-6 | 5.1 | 26 |
| 69 | Methylphosphonium Tin Bromide: A 3D Perovskite Molecular Ferroelectric Semiconductor. <i>Advanced Materials</i> , 2020 , 32, e2005213 | 24 | 26 |
| 68 | A prominent dielectric material with extremely high-temperature and reversible phase transition in the high thermally stable perovskite-like architecture. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6350-6358 | 7.1 | 25 |
| 67 | Rapid dielectric bistable switching materials without a time/temperature responsive blind area in the linarite-like type molecular large-size single crystals. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9009-9020 | 7.1 | 25 |
| 66 | Superior Transverse Piezoelectricity in a Halide Perovskite Molecular Ferroelectric Thin Film. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12857-12864 | 16.4 | 24 |
| 65 | 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 |
| 64 | High-Temperature Dielectric Switching and Photoluminescence in a Corrugated Lead Bromide Layer Hybrid Perovskite Semiconductor. <i>Inorganic Chemistry</i> , 2019 , 58, 10357-10363 | 5.1 | 23 |
| 63 | Brilliant triboluminescence in a potential organic-inorganic hybrid ferroelectric: (Ph ₃ PO) ₂ MnBr ₂ . <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 154-159 | 6.8 | 22 |
| 62 | Crystal structures, phase transitions, and switchable dielectric behaviors: comparison of a series of N-heterocyclic ammonium perchlorates. <i>Dalton Transactions</i> , 2015 , 44, 8221-31 | 4.3 | 22 |
| 61 | 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 |
| 60 | Tunable Dielectric Responses Triggered by Dimensionality Modification in Organic-Inorganic Hybrid Phase Transition Compounds (CHN) _n CdCl (n = 1 and 2). <i>Inorganic Chemistry</i> , 2017 , 56, 3506-3511 | 5.1 | 18 |
| 59 | Dual stimuli-triggered dielectric switching and sensing in a host-guest cyanometallate framework. <i>Chemical Communications</i> , 2017 , 53, 6077-6080 | 5.8 | 16 |
| 58 | Exploration of the intrinsic factors limiting the photocurrent density in ferroelectric BiFeO ₃ thin film. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6863-6873 | 13 | 14 |

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|----|---|------|----|
| 57 | Photoluminescence of Sn ²⁺ -mixed molecular perovskites. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8349-8352 | 7.1 | 14 |
| 56 | Tunable dielectric transitions in layered organic-inorganic hybrid perovskite-type compounds: [NH(CH)Cl][CdClBr] (x = 0, 1/4, 1). <i>Dalton Transactions</i> , 2018 , 47, 7005-7012 | 4.3 | 13 |
| 55 | One-dimensional supramolecular columnar structure of trans-syn-trans-dicyclohexano[18]crown-6 and organic ammonium cations. <i>CrystEngComm</i> , 2016 , 18, 7959-7964 | 3.3 | 13 |
| 54 | 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 |
| 53 | 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 |
| 52 | Unusual high-temperature reversible phase transition containing dielectric and nonlinear optical switches in host-guest supramolecular crown ether clathrates. <i>Chemical Communications</i> , 2018 , 54, 8076-8079 | 5.8 | 12 |
| 51 | Eco-Friendly and Highly Efficient Light-Emission Ferroelectric Scintillators by Precise Molecular Design. <i>Advanced Functional Materials</i> , 2021 , 31, 2102848 | 15.6 | 12 |
| 50 | Inorganic anion regulated phase transition in a supramolecular adduct: 4-Trifluoromethoxyanilinium hexafluorophosphate-18-crown-6. <i>Inorganic Chemistry Communication</i> , 2015 , 61, 77-81 | 3.1 | 11 |
| 49 | Crystal structure and phase transition of 2-methoxyanilinium perchlorate-18-crown-6. <i>Chinese Chemical Letters</i> , 2014 , 25, 723-726 | 8.1 | 11 |
| 48 | Homochiral one-dimensional ABX ₃ lead halide perovskites with high-T _c quadratic nonlinear optical and dielectric switchings. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 4756-4763 | 7.8 | 11 |
| 47 | Switchings of dielectric constant, second harmonic generation and polarization in a polar hybrid cyanometallate crystal. <i>New Journal of Chemistry</i> , 2017 , 41, 3211-3216 | 3.6 | 10 |
| 46 | Prominent dielectric transitions in layered organic-inorganic hybrids: (isoamyl-ammonium) ₂ CdX ₄ (X = Cl and Br). <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1330-1336 | 6.8 | 9 |
| 45 | Hybrid Organic-Inorganic Antiperovskites. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 167-171 | 16.4 | 9 |
| 44 | A Molecular Thermo-chromic Ferroelectric. <i>Angewandte Chemie</i> , 2020 , 132, 3523-3527 | 3.6 | 9 |
| 43 | [C ₇ H ₁₄ NO][ClO ₄]: order-disorder structural change induced sudden switchable dielectric behaviour at room temperature. <i>CrystEngComm</i> , 2018 , 20, 7058-7061 | 3.3 | 8 |
| 42 | Hybrid Optical-Electrical Perovskite Can Be a Ferroelastic Semiconductor. <i>CCS Chemistry</i> , 2021 , 2021-2031 | 7.2 | 8 |
| 41 | The construction of a two-dimensional organic-inorganic hybrid double perovskite ferroelastic with a high T _c and narrow band gap. <i>Chemical Science</i> , | 9.4 | 8 |
| 40 | Optically Induced Ferroelectric Polarization Switching in a Molecular Ferroelectric with Reversible Photoisomerization. <i>Advanced Science</i> , 2021 , 8, e2102614 | 13.6 | 7 |

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|----|---|------|---|
| 39 | Halogen substitution regulates the phase transition temperature and band gap of semiconductor compounds. <i>Chemical Communications</i> , 2020 , 56, 1697-1700 | 5.8 | 7 |
| 38 | Unprecedented 2D Homochiral Hybrid Lead-Iodide Perovskite Thermo-chromic Ferroelectrics with Ferroelastic Switching. <i>Angewandte Chemie</i> , 2021 , 133, 10825-10830 | 3.6 | 7 |
| 37 | (H ₂ dabco)[Na(BF ₄) ₃]: an ABX ₃ -type inorganic-organic hybrid perovskite compound exhibiting dielectric switching above room-temperature. <i>CrystEngComm</i> , 2019 , 21, 7043-7047 | 3.3 | 7 |
| 36 | H/F substitution for advanced molecular ferroelectrics. <i>Trends in Chemistry</i> , 2021 , | 14.8 | 6 |
| 35 | Cation-templated cyanometallate-based supramolecular rectangular cage compounds showing dielectric transitions. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1304-1310 | 6.8 | 6 |
| 34 | Highly Efficient and Uncommon Photoluminescence Behavior Combined with Multiple Dielectric Response in Manganese(II) Based Hybrid Phase Transition Compounds. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 394-399 | 2.3 | 6 |
| 33 | A-site cation with high vibrational motion in ABX perovskite effectively induces dielectric phase transition. <i>Dalton Transactions</i> , 2021 , 50, 3841-3847 | 4.3 | 6 |
| 32 | Ferroelastic Hybrid Bismuth Bromides with Dual Dielectric Switches. <i>Chemistry of Materials</i> , 2021 , 33, 5790-5799 | 9.6 | 6 |
| 31 | Sequential dielectric phase transitions induced by the vibrations of water molecules in an organic-inorganic hybrid halide (N-(2-ammoniummethyl)piperazinium) CuCl ₂ ·2H ₂ O. <i>Dalton Transactions</i> , 2017 , 46, 10462-10468 | 4.3 | 5 |
| 30 | 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 |
| 29 | Nonlinear Optical and Photoluminescence Bistable Responses Accompanied by Tunable Dielectric Behaviors in Crown Inclusions. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5796-5801 | 3.8 | 4 |
| 28 | Temperature-Triggered Switchable Dielectric Constants in Zinc-Based Hybrid Organic-Inorganic Compounds: (C ₃ H ₆ NH ₂) ₂ [ZnX ₄] (X = Cl and Br). <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4601-4604 | 2.3 | 4 |
| 27 | A layered hybrid rare-earth double-perovskite-type molecule-based compound with electrical and optical response properties. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16349-16353 | 7.1 | 4 |
| 26 | Methylation Design Strategy to Trigger a Dual Dielectric Switch and Improve the Phase Transition Temperature. <i>Inorganic Chemistry</i> , 2020 , 59, 16635-16643 | 5.1 | 4 |
| 25 | X-site doping in ABX ₃ triggers phase transition and higher T _c of the dielectric switch in perovskite. <i>Chinese Chemical Letters</i> , 2021 , | 8.1 | 4 |
| 24 | Salicylideneaniline is a Photoswitchable Ferroelectric Crystal. <i>Chemistry - A European Journal</i> , 2021 , 27, 14831-14835 | 4.8 | 4 |
| 23 | 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 |
| 22 | Metal-organic ferroelectric complexes: enantiomer directional induction achieved above-room-temperature homochiral molecular ferroelectrics. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 128-133 | 6.8 | 3 |

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|----|--|------|---|
| 21 | Unique cation-template three-dimensional hybrid material demonstrates dielectric switchable response. <i>Dalton Transactions</i> , 2021 , 50, 10142-10146 | 4.3 | 3 |
| 20 | Above Room Temperature Reversible Phase Transition Induces Distinct Dielectric and Nonlinear Optical Switching Response Behavior in Crown-Ether-Based Supramolecular Clathrate. <i>Crystals</i> , 2019 , 9, 184 | 2.3 | 2 |
| 19 | Tunable relaxation type and switch type response triggered by phase transition in 3,4-difluoroanilinium 18-crown-6 tetrafluoroborate. <i>Inorganic Chemistry Communication</i> , 2019 , 103, 67-71 | 3.1 | 2 |
| 18 | Sequential Phase Transitions with Switchable Dielectric Constant in a Metal-Free Ionic Crystal. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2443-2447 | 2.3 | 2 |
| 17 | Tuning Dielectric Transitions in Two-Dimensional Organic-Inorganic Hybrid Lead Halide Perovskites. <i>Inorganic Chemistry</i> , 2021 , 60, 16871-16877 | 5.1 | 2 |
| 16 | Hybrid Organic-Inorganic Antiperovskites. <i>Angewandte Chemie</i> , 2020 , 132, 173-177 | 3.6 | 2 |
| 15 | A high-temperature halide perovskite molecular ferroelastic with evident dielectric switching. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1197-1204 | 6.8 | 2 |
| 14 | Domain memory effect in the organic ferroics.. <i>Nature Communications</i> , 2022 , 13, 2379 | 17.4 | 2 |
| 13 | Modulating molecular structures and dielectric transitions in organic-inorganic hybrid crystals. <i>RSC Advances</i> , 2017 , 7, 52024-52029 | 3.7 | 1 |
| 12 | A Photoluminescent Lead Bromide Hybrid Perovskite Molecular Ferroelastic Semiconductor with Sequential High-Phase Transitions. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5221-5227 | 6.4 | 1 |
| 11 | Evident Dielectric Relaxation in an Organic-Inorganic Halide Perovskite. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 2749-2754 | 2.3 | 1 |
| 10 | Temperature-Induced Reversible Phase Transition with Switchable Dielectric Response in a A ₂ BX ₄ -Type Hybrid Compound: [TEAMA] ₂ [CdBr ₄] (TEAMA=(CH ₃ CH ₂) ₃ NCH ₃). <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 597-600 | 2.3 | 1 |
| 9 | A hybrid multifunctional perovskite with dielectric phase transition and broadband red-light emission. <i>Journal of Molecular Structure</i> , 2021 , 1239, 130468 | 3.4 | 1 |
| 8 | Halogen regulation triggers NLO and dielectric dual switches in hybrid compounds with green fluorescence. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 4230-4238 | 6.8 | 1 |
| 7 | Competing hydrogen-bonding interactions in a high-T _c organic molecular-ionic crystal with evident nonlinear optical response. <i>CrystEngComm</i> , 2021 , 23, 2509-2512 | 3.3 | 1 |
| 6 | Monofluorine substitution achieved high-T _c dielectric transition in a one-dimensional lead bromide hybrid photoluminescent perovskite semiconductor. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 2842-2848 | 7.8 | 1 |
| 5 | A hybrid hydrochromic molecular crystal applicable to invisible ink with high reversibility. <i>New Journal of Chemistry</i> , 2021 , 45, 21006-21010 | 3.6 | 0 |
| 4 | Organic-Inorganic Hybrid Crystal [1-methylpiperidinium] ₂ [ZnCl ₄] with High T _c Phase Transition and Dielectric Switches. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 4307 | 2.3 | 0 |

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|---|---|-----|---|
| 3 | In Situ Observation of Ferroelastic Domain and Phase Transition in a Three-Dimensional Molecular Crystal. <i>Chemistry - A European Journal</i> , 2021 , 27, 17655 | 4.8 | ○ |
| 2 | Above room-temperature dielectric switching and semiconducting properties of a layered organic-inorganic hybrid compound: (CHN)Pb(NO). <i>Dalton Transactions</i> , 2020 , 49, 16860-16865 | 4.3 | ○ |
| 1 | A high-T _c organic-ionic phase transition crystal obtained from a trivalent cation. <i>CrystEngComm</i> , 2021 , 23, 264-267 | 3.3 | ○ |