

Record Enhancement of Curie Temperature in Host

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A multifunctional molecular ferroelectric with chiral features, a high Curie temperature, large spontaneous polarization and photoluminescence: (C ₉ H ₁₄ N) ₂ CdBr ₄ . Chemical Science, 2021, 12, 13061-13067.	7.4	34
2	Stabilization of Ferroelectric Phase in Highly Oriented Quinuclidinium Perrhenate (HQReO ₄) Thin Films. Materials, 2021, 14, 2126.	2.9	3
3	The First High-Temperature Supramolecular Radical Ferroics. Angewandte Chemie, 2021, 133, 16804-16809.	2.0	4
4	The First High-Temperature Supramolecular Radical Ferroics. Angewandte Chemie - International Edition, 2021, 60, 16668-16673.	13.8	37
5	Ferroelastic Hybrid Bismuth Bromides with Dual Dielectric Switches. Chemistry of Materials, 2021, 33, 5790-5799.	6.7	47
6	High-Temperature and Large-Polarization Ferroelectric with Second Harmonic Generation Response in a Novel Crown Ether Clathrate. Chemistry - A European Journal, 2021, 27, 13575-13581.	3.3	9
7	Guest-Mediated Hierarchical Self-Assembly of Dissymmetric Organic Cages to Form Supramolecular Ferroelectrics. CCS Chemistry, 2022, 4, 2420-2428.	7.8	15
8	Halogen regulation triggers NLO and dielectric dual switches in hybrid compounds with green fluorescence. Inorganic Chemistry Frontiers, 2021, 8, 4230-4238.	6.0	22
9	Para-ferroelectric phase transition induces an excellent second harmonic generation response and a prominent switchable dielectric constant change based on a metal-free ionic crystal. CrystEngComm, 2021, 23, 5306-5313.	2.6	9
10	Room-temperature dielectric switching in a host-guest crown ether inclusion complex. Inorganic Chemistry Frontiers, 2021, 8, 4896-4902.	6.0	15
11	Multifunctional rare earth molecular ferroelectrics with a piezoelectric response: ((nBu) ₄ N) ₃ [Ce(NO ₃) ₄ (SCN) ₂](CH ₃ CH ₂ CH ₂ CH ₂) ₄ N = tetrabutylammonium). CrystEngComm, 0, , .	2.6	7
12	Ferroelectric properties, narrow band gap and ultra-large reversible entropy change in a novel nonlinear ionic chromium(vi) compound. Chemical Communications, 2021, 57, 11225-11228.	4.1	16
13	Crown Ether Host-Guest Molecular Ferroelectrics. Chemistry - A European Journal, 2022, 28, .	3.3	25
14	Recent Advances in Organic and Organic-Inorganic Hybrid Materials for Piezoelectric Mechanical Energy Harvesting. Advanced Functional Materials, 2022, 32, .	14.9	124
15	Guest Molecule-Mediated Energy Harvesting in a Conformationally Sensitive Peptide-Metal Organic Framework. Journal of the American Chemical Society, 2022, 144, 3468-3476.	13.7	49
16	Metal ion modulation triggers dielectric double switching and green fluorescence in A ₂ MX ₄ -type compounds. Dalton Transactions, 2022, 51, 2005-2011.	3.3	28
17	The synthesis, structures, high thermal stability and photoluminescence of two new crown ether clathrates. Inorganica Chimica Acta, 2022, 535, 120842.	2.4	4
18	Solvent-induced reversible high-temperature phase transition in crown ether clathrates. New Journal of Chemistry, 2022, 46, 8232-8238.	2.8	4

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19	Plasticity and Ferroelasticity Transitions of Molecular Complex [(C ₄ H ₉ N ₂) ₂][Fe ₃ O(O ₂ CH) ₉]	3.0	5
20	High- <i>T_p</i> -triggered phase transition exhibiting switchable dielectric thermal responses and long photoluminescence lifetime in a novel inclusion luminophor. CrystEngComm, 2022, 24, 3630-3636.	2.6	3
21	2D lead-free organic-inorganic hybrid exhibiting dielectric and structural phase transition at higher temperatures. CrystEngComm, 2022, 24, 4346-4350.	2.6	3
22	Thermally stimuli-responsive materials with transformable double channels of nonlinear optical and dielectric properties. Dalton Transactions, 2022, 51, 9857-9863.	3.3	2
23	A ferroelastic molecular rotator [(Me ₂ N(CH ₂) ₂ NH ₃)(18-crown-6)]triflate with dual dielectric switches. Materials Chemistry Frontiers, 2022, 6, 1929-1937.	5.9	13
24	Reversible Switchability of Magnetic Anisotropy and Magnetodielectric Effect Induced by Intermolecular Motion. Angewandte Chemie, 2022, 134, .	2.0	3
25	Reversible Switchability of Magnetic Anisotropy and Magnetodielectric Effect Induced by Intermolecular Motion. Angewandte Chemie - International Edition, 2022, 61, .	13.8	11
26	Unusual high-temperature host-guest inclusion compound-based ferroelectrics with nonlinear optical switching and large spontaneous polarization behaviours. Inorganic Chemistry Frontiers, 2022, 9, 3702-3708.	6.0	10
27	Ferroelectricity in organic materials: from materials characteristics to <i>de novo</i> design. Journal of Materials Chemistry C, 2022, 10, 13676-13689.	5.5	8
28	Ferroelectric coordination metal complexes based on structural and electron dynamics. Chemical Communications, 0, , .	4.1	4
29	Ferroelasticity in Organic-Inorganic Hybrid Perovskites. Chemistry - A European Journal, 2022, 28, .	3.3	20
30	Recent advances in ferroelectric metal complexes. Coordination Chemistry Reviews, 2022, 469, 214663.	18.8	13
31	Two-step thermotropic phase transition and dielectric relaxation in 1D supramolecular lead iodide perovskite [NH ₄ @18-crown ether]PbI ₃ . Dalton Transactions, 2022, 51, 15158-15165.	3.3	5
32	Dual-channel control of ferroelastic domains in a host-guest inclusion compound. Inorganic Chemistry Frontiers, 2022, 9, 5799-5804.	6.0	4
33	A new crown-ether clathrate [15-crown-5][Y(NO ₃) ₂ (H ₂ O) ₅][NO ₃] with switchable dielectric constant behaviour. New Journal of Chemistry, 2022, 46, 18512-18517.	2.8	1
34	Achieving circularly polarized luminescence and large piezoelectric response in hybrid rare-earth double perovskite by a chirality induction strategy. Materials Horizons, 2022, 9, 2450-2459.	12.2	20
35	Two host-guest grown ether supramolecules show switchable phase transition, dielectric and second-harmonic generation effect. Dalton Transactions, 2022, 51, 15074-15079.	3.3	4
36	Record high- <i>T_c</i> and large practical utilization level of electric polarization in metal-free molecular antiferroelectric solid solutions. Nature Communications, 2022, 13, .	12.8	19

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37	Tunable phase transition temperature and nonlinear optical properties of organic–inorganic hybrid perovskites enabled by dimensional engineering. <i>Journal of Materials Chemistry C</i> , 2022, 10, 16330-16336.	5.5	12
38	Synergistic Enhancement of Luminescent and Ferroelectric Properties through Multi-Clipping of Tetraphenylethenes. <i>Advanced Functional Materials</i> , 0, , 2208157.	14.9	0
39	1D Chiral Lead Bromide Perovskite with Superior Second-Order Optical Nonlinearity, Photoluminescence, and High-Temperature Reversible Phase Transition. <i>Chemistry - an Asian Journal</i> , 0, , .	3.3	2
40	High-T _c Realization of Lead-Free Halide Hybrid Ferroelectrics via Steric Confinement Modulation. <i>Advanced Functional Materials</i> , 2023, 33, .	14.9	5
41	A Poling-Free Supramolecular Crown Ether Compound with Large Piezoelectricity. <i>Journal of the American Chemical Society</i> , 2023, 145, 3187-3195.	13.7	12
42	A nickel(II)-based one-dimensional organic–inorganic halide perovskite ferroelectric with the highest Curie temperature. <i>Chemical Science</i> , 2023, 14, 1781-1786.	7.4	16
43	Magnetic Switchability via Thermal-Induced Structural Phase Transitions in Molecular Solids. <i>Magnetochemistry</i> , 2023, 9, 80.	2.4	0
44	Improper High-T _c Perovskite Ferroelectric with Dielectric Bistability Enables Broadband Ultraviolet–Infrared Photopyroelectric Effects. <i>Advanced Science</i> , 2023, 10, .	11.2	11
45	Fluorescence Emission Is Highly Structure-Dependent in Hybrid Lead Halides. <i>Inorganic Chemistry</i> , 2023, 62, 7186-7194.	4.0	1
46	Phase Transition-Promoted Rapid Photomechanical Motions of Single Crystals of a Triene Coordination Polymer. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	13.8	8
47	Phase Transition-Promoted Rapid Photomechanical Motions of Single Crystals of a Triene Coordination Polymer. <i>Angewandte Chemie</i> , 2023, 135, .	2.0	0
48	Halogenation triggering rules in hybrid materials for fluorescence and dielectric phase transitions. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 3860-3866.	6.0	10
49	Proton-mediated reversible switching of metastable ferroelectric phases with low operation voltages. <i>Science Advances</i> , 2023, 9, .	10.3	1
50	Methyl regulation triggers high-temperature ferroelastic phase transition. <i>Dalton Transactions</i> , 0, , .	3.3	0
51	Dielectric/SHG/PL triple-channel properties in chiral spirocyclic organic–inorganic hybrids. <i>Journal of Materials Chemistry C</i> , 2023, 11, 10051-10057.	5.5	1
52	Homochiral Chemistry Strategy to Trigger Second-Harmonic Generation and Dual Dielectric Switches. <i>Inorganic Chemistry</i> , 2023, 62, 11701-11707.	4.0	3
54	Remarkable enhancement of optical and electric properties by temperature-controlled solid-phase molecular motion. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 5026-5034.	6.0	6
55	Halogen Regulating Induced Reversible High-T-Dielectric-Thermal Transitions in Novel Layered Organic-Inorganic Hybrid Semiconducting Crystals. <i>Dalton Transactions</i> , 0, , .	3.3	0

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56	High temperature switchable dielectric properties in molecular crystal material 1,4,7-triazacyclononane trihydrochloride. CrystEngComm, 0, , .	2.6	1
57	Targeted regulation and optimization of multifunctional phase transition materials by novel void occupancy engineering. Chemical Science, 2023, 14, 9041-9047.	7.4	2
58	2-Chloroethylamine-trifluoromethanesulfonate combined with 18-crown-6: a ferroelectric with excellent dielectric switching properties. Dalton Transactions, 2023, 52, 11196-11202.	3.3	0
59	Applications of macrocycle-based solid-state host-guest chemistry. Nature Reviews Chemistry, 2023, 7, 768-782.	30.2	6
60	Role of Momentum Matching in Increasing the Curie Temperature for Ferroelectricity in Host-Guest Complexes. Journal of Physical Chemistry C, 2023, 127, 18206-18212.	3.1	1
61	Crown-Ether Ring Size Dependent Crystal Structures, Phase Transition and Dielectric Properties of [M(crown)]BF ₄ ·xH ₂ O (M ⁺ =Na ⁺ , K ⁺); T _{1/2} = 110.7843 K	11.0	14
62	Piezoelectric self-power supply driven by ferroelastic host-guest supramolecule with considerable electromechanical conversion capability. Chemical Engineering Journal, 2023, 475, 145969.	12.7	9
63	The Synthesis, Structure, and Dielectric Properties of a One-Dimensional Hydrogen-Bonded DL-1-Phenylglycine Supramolecular Crown-Ether-Based Inclusion Compound. Molecules, 2023, 28, 7586.	3.8	0
64	A confinement-regulated (H ₃ C) ⁺ NH ₃ ⁺ ion as a smallest dual-wheel rotator showing bisected rotation dynamics. Physical Chemistry Chemical Physics, 2024, 26, 7269-7275.	2.8	0
65	Carrier Transport Switching of Ferroelectric BTBT Derivative. Journal of the American Chemical Society, 2024, 146, 8557-8566.	13.7	0
66	Structural phase transition drives outright photoluminescence quenching and dielectric double bistable switching. Inorganic Chemistry Frontiers, 2024, 11, 2290-2299.	6.0	0