

Contactless Manipulation of Write“Read“Erase Data Ferroelectric Crystals

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Solid-State Self-Assembly of a Linear Hexanuclear Copper(II) Oxamate Complex with Alternating Antiferro- and Ferromagnetic Coupling. <i>Magnetochemistry</i> , 2022, 8, 116.	2.4	1
2	Axial-Chiral BINOL Multiferroic Crystals with Coexistence of Ferroelectricity and Ferroelasticity. <i>Journal of the American Chemical Society</i> , 2022, 144, 19559-19566.	13.7	13
3	Investigation of Triangle Terthiophene and Hydroxyphenylbenzothiazole Configured Fluorescent Dye with a Triple Bond Bridge. <i>Journal of Fluorescence</i> , 2023, 33, 153-159.	2.5	2
4	Ferroelectric hybrid organic-inorganic perovskites and their structural and functional diversity. <i>National Science Review</i> , 2023, 10, .	9.5	47
5	Synergistic Enhancement of Luminescent and Ferroelectric Properties through Multi-Clipping of Tetraphenylethenes. <i>Advanced Functional Materials</i> , 0, , 2208157.	14.9	0
6	Giant electrocaloric effect in a molecular ceramic. <i>Materials Horizons</i> , 2023, 10, 869-874.	12.2	3
7	Nonadiabatic molecular dynamics study of a complete photoswitching cycle for a full-size diarylethene system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2023, 438, 114513.	3.9	0
8	Organic Single-Component Enantiomers with High Phase Transition Temperatures and Dielectric Switching Properties. <i>Crystal Growth and Design</i> , 2022, 22, 7501-7507.	3.0	4
9	High-Tc Quadratic Nonlinear Optical and Dielectric Switchings in Fe-Based Plastic Crystalline Ferroelectric. <i>Inorganic Chemistry</i> , 2022, 61, 20608-20615.	4.0	9
10	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
11	Exceptionally flexible quinodimethanes with multiple conformations: polymorph-dependent colour tone and emission of crystals. <i>Materials Chemistry Frontiers</i> , 2023, 7, 1591-1598.	5.9	6
12	Pyrene-dithienylethene-tetra(tri)phenylethylene triads: Photocontrolled intramolecular energy transfer and photochromic fluorescence switching. <i>Dyes and Pigments</i> , 2023, 214, 111231.	3.7	4
13	Investigating the Properties of Double Triangle Terthiophene Configured Dumbbell-Like Photochromic Dye with Ethyne and 1,3-Butadiene Bridge. <i>Journal of Fluorescence</i> , 2023, 33, 1495-1503.	2.5	2
14	ESIPT-Inspired Dual-Mode Photoswitches with Fast Molecular Isomerization in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	13.8	9
15	ESIPT-Inspired Dual-Mode Photoswitches with Fast Molecular Isomerization in the Solid State. <i>Angewandte Chemie</i> , 2023, 135, .	2.0	1
16	Light-Driven Domain Switching on a Photochromic Ferroelectric. <i>Crystal Growth and Design</i> , 2023, 23, 2602-2608.	3.0	5
17	Photo-Induced Fluorochromism of a Star-Shaped Photochromic Dye with 2,4-Dimethylthiazole Attaching to Triangle Terthiophene. <i>Journal of Fluorescence</i> , 2023, 33, 1907-1915.	2.5	6
18	Tin-based organic-inorganic metal halides with a reversible phase transition and thermochromic response. <i>Materials Chemistry Frontiers</i> , 2023, 7, 2235-2240.	5.9	4

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19	Fluorination Enables Dual Ferroelectricity in Both Solid- and Liquid-Crystal Phases. <i>Jacs Au</i> , 2023, 3, 1196-1204.	7.9	2
20	Large Spontaneous Polarization Ferroelectric Property, Switchable Second-Harmonic Generation Responses, and Magnetism in an Fe-Based Compound. <i>Inorganic Chemistry</i> , 2023, 62, 6189-6195.	4.0	7
21	Solidâ€“Liquid Crystal Biphasic Ferroelectrics with Tunable Biferroelectricity. <i>Advanced Materials</i> , 2023, 35, .	21.0	2
22	Nonâ€“Conjugated Bisâ€“(Dithienylethene)â€“Naphthalenediimide as a Dynamic Antiâ€“Counterfeiting Agent: Driving the Wheel of Photoswitching Enactment. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.3	0
23	The First Enantiomeric Stereogenic Sulfurâ€“Chiral Organic Ferroelectric Crystals. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	13.8	4
24	The First Enantiomeric Stereogenic Sulfurâ€“Chiral Organic Ferroelectric Crystals. <i>Angewandte Chemie</i> , 0, , .	2.0	0
25	Molecular Design of a Metal-Nitrosyl Ferroelectric with Reversible Photoisomerization. <i>Journal of the American Chemical Society</i> , 2023, 145, 13663-13673.	13.7	10
26	Ferroelectric Phase Transition Driven by Switchable Covalent Bonds. <i>Physical Review Letters</i> , 2023, 130, .	7.8	8
27	Photochromic Single-Component Organic Fulgide Ferroelectric with Photo-Triggered Polarization Response. <i>Jacs Au</i> , 2023, 3, 1464-1471.	7.9	5
28	Lightâ€“Induced Dyotropic Rearrangement of Diarylethenes: Scope, Mechanism, and Prospects. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.3	2
29	Zeroâ€“Dimensional Snâ€“Based Enantiomeric Phase Transition Materials with Highâ€“ T_c and Dielectric Switching. <i>Chemistry - A European Journal</i> , 0, , .	3.3	0
30	Fluorophore unit controlled photoswitching of hydrazone derivatives: Reversible and irreversible off-on/dual-color fluorescence photoswitches. <i>Molecular Systems Design and Engineering</i> , 0, , .	3.4	0
31	Chiral Substitution on Spaced Cations Lead to Improved Properties and Reversible Phase Transition, Broadband Emission in Parent Compound (3APr) ₄ PbBr ₄ . <i>European Journal of Inorganic Chemistry</i> , 2023, 26, .	2.0	4
32	Dual Breaking of Molecular Orbitals and Spatial Symmetry in an Optically Controlled Ferroelectric. <i>Advanced Materials</i> , 2023, 35, .	21.0	4
33	Control of electronic polarization <i>via</i> charge ordering and electron transfer: electronic ferroelectrics and electronic pyroelectrics. <i>Chemical Science</i> , 2023, 14, 10631-10643.	7.4	3
34	Organicâ€“inorganic hybrid multifunctional materials with high- T_c reversible phase transition and wide bandgap properties. <i>Materials Advances</i> , 2023, 4, 4755-4760.	5.4	0
35	Photosalience and Thermal Phase Transitions of Azobenzene- and Crown Ether-Based Complexes in Polymorphic Crystals. <i>Journal of the American Chemical Society</i> , 2023, 145, 21378-21386.	13.7	2
36	Building Blockâ€“Inspired Hybrid Perovskite Derivatives for Ferroelectric Channel Layers with Gateâ€“Tunable Memory Behavior. <i>Angewandte Chemie</i> , 0, , .	2.0	0

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37	Building Block-Inspired Hybrid Perovskite Derivatives for Ferroelectric Channel Layers with Gate-Tunable Memory Behavior. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	13.8	1
38	Organic radical ferroelectric crystals with martensitic phase transition. <i>Nature Communications</i> , 2023, 14, .	12.8	3
39	Multiple degrees of freedom photoprogramming of soft helical microstructures featuring copper-gated photoswitch. <i>Matter</i> , 2023, 6, 3927-3939.	10.0	2
40	Recent Progress of Gated Diarylethenes: Strategies, Mechanism, and Applications. <i>Advanced Optical Materials</i> , 2023, 11, .	7.3	1
41	High-Tc Fe-based ferroelectric compound with large spontaneous polarization and narrow bandgap. <i>New Journal of Chemistry</i> , 2023, 47, 20619-20625.	2.8	0
42	A Homochiral Fulgide Organic Ferroelectric Crystal with Photoinduced Molecular Orbital Breaking. <i>Angewandte Chemie</i> , 2023, 135, .	2.0	0
43	A Homochiral Fulgide Organic Ferroelectric Crystal with Photoinduced Molecular Orbital Breaking. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	13.8	1
44	Halogen Substitution Regulates High Temperature Dielectric Switch in Lead-Free Chiral Hybrid Perovskites. <i>Chemistry - A European Journal</i> , 2024, 30, .	3.3	0
45	Suppression of Photocyclization of An Inverse Type Diarylethene Derivative by Inclusion into β -Cyclodextrins. <i>ChemPhotoChem</i> , 0, , .	3.0	0
46	Homochirality in Ferroelectrochemistry. <i>Chinese Journal of Chemistry</i> , 0, , .	4.9	0
47	Towards Optical Information Recording: A Robust Visible-Light-Driven Molecular Photoswitch with the Ring-Closure Reaction Yield Exceeding 96.3%. <i>Angewandte Chemie</i> , 2024, 136, .	2.0	0
48	Towards Optical Information Recording: A Robust Visible-Light-Driven Molecular Photoswitch with the Ring-Closure Reaction Yield Exceeding 96.3%. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	13.8	1
49	Electrically Detectable Photoinduced Polarization Switching in a Molecular Prussian Blue Analogue. <i>Journal of the American Chemical Society</i> , 0, , .	13.7	0
50	Recent Advances in Functional Materials for Optical Data Storage. <i>Molecules</i> , 2024, 29, 254.	3.8	0
51	Investigating the Properties of Triangle Terthiophene and Triphenylamine Configured Propeller-like Photochromic Dye with Ethyne Bridge. <i>Journal of Fluorescence</i> , 0, , .	2.5	1
52	Silindeno-fused 3 <i>H</i> -naphthopyrans with fast thermal fading rate and high optical density. <i>Journal of Materials Chemistry C</i> , 2024, 12, 2961-2967.	5.5	0
53	Switching in harmony: Tailoring the properties of functional materials with orthogonal stimuli. <i>Chemical Physics Reviews</i> , 2024, 5, .	5.7	0
54	Flexible Organic Chiral Crystals with Thermal and Excitation Modulation of the Emission for Information Transmission, Writing, and Storage. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	13.8	0

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55	Flexible Organic Chiral Crystals with Thermal and Excitation Modulation of the Emission for Information Transmission, Writing, and Storage. <i>Angewandte Chemie</i> , 2024, 136, .	2.0	0
56	Centennial Isomers: A Unique Fluorinated Azobenzene Macrocyclus with Dual Stability Over 120 Years. <i>Advanced Functional Materials</i> , 0, , .	14.9	0
57	Room-Temperature Anisotropic Actuation Driven by a Synergistic Order-Disorder and Displacive Phase Transition in a Ferroelectric Crystal. <i>Journal of the American Chemical Society</i> , 2024, 146, 6336-6344.	13.7	0
58	Blockchain-based data sharing algorithm in distributed network data storage. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2024, 24, 427-444.	0.2	0