

Zhihua Sun

List of Publications by Year in descending order

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190
papers

9,531
citations

39113

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#	ARTICLE	IF	CITATIONS
1	Ferroelectric perovskite-type films with robust in-plane polarization toward efficient room-temperature chemiresistive sensing. <i>Fundamental Research</i> , 2023, 3, 362-368.	1.6	9
2	Unusual ferroelectric-dependent birefringence in 2D trilayered perovskite-type ferroelectric exploited by dimensional tailoring. <i>Matter</i> , 2022, 5, 194-205.	5.0	22
3	A bilayered two-dimensional hybrid perovskite with a cage-templated secondary cation for high efficiency photodetection. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 637-644.	3.0	9
4	Tailoring Interlayered Spacers of Two-Dimensional Cesium-Based Perovskite Ferroelectrics toward Exceptional Ferro-Pyro-Phototronic Effects. <i>Small</i> , 2022, 18, e2106888.	5.2	32
5	2D Hybrid perovskite incorporating cage-confined secondary ammonium cations toward effective photodetection. <i>Chemical Communications</i> , 2022, 58, 561-564.	2.2	13
6	Unprecedented Self-Powered Visible-Infrared Dual-Modal Photodetection Induced by a Bulk Photovoltaic Effect in a Polar Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5608-5614.	4.0	14
7	Polarization-sensitive photodetection in a two-dimensional interlayer-multiple-cation hybrid perovskite bulk single crystal. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5882-5886.	2.7	8
8	Realization of In-Plane Polarized Light Detection Based on Bulk Photovoltaic Effect in A Polar Van Der Waals Crystal. <i>Small</i> , 2022, 18, e2200011.	5.2	12
9	Self-Powered Visible-Infrared Polarization Photodetection Driven by Ferroelectric Photovoltaic Effect in a Dion-Jacobson Hybrid Perovskite. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	41
10	A Quasi-Two-Dimensional Trilayered CsPbBr ₃ -based Dion-Jacobson Hybrid Perovskite toward High-Performance Photodetection. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	11
11	Anisotropy in a 2D Perovskite Ferroelectric Drives Self-Powered Polarization-Sensitive Photoresponse for Ultraviolet Solar-Blind Polarized-Light Detection. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	31
12	Anisotropy in a 2D Perovskite Ferroelectric Drives Self-Powered Polarization-Sensitive Photoresponse for Ultraviolet Solar-Blind Polarized-Light Detection. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
13	Cooperative Enhancement of Second Harmonic Generation in an Organic-Inorganic Hybrid Antimony Halide. <i>Crystal Growth and Design</i> , 2022, 22, 3875-3881.	1.4	22
14	Polar Photovoltaic Effect in Chiral Alternating Cations Intercalation-Type Perovskites Driving Self-Powered Ultraviolet Circularly Polarized Light Detection. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	23
15	Self-Assembly of 2D Hybrid Double Perovskites on 3D Cs ₂ AgBiBr ₆ Crystals towards Ultrasensitive Detection of Weak Polarized Light. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
16	Self-Assembly of 2D Hybrid Double Perovskites on 3D Cs ₂ AgBiBr ₆ Crystals towards Ultrasensitive Detection of Weak Polarized Light. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	11
17	Incorporating an Aromatic Cationic Spacer to Assemble 2D Polar Perovskite Crystals toward Self-Powered Detection of Quite Weak Polarized Light. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6017-6023.	2.1	15
18	Tailoring the Distinctive Chiral-Polar Perovskites with Alternating Cations in the Interlayer Space for Self-Driven Circularly Polarized Light Detection. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	27

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19	Acquiring High- <i>T</i> C Layered Metal Halide Ferroelectrics via Cage-Confined Ethylamine Rotators. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2839-2843.	7.2	46
20	High performance self-powered photodetection with a low detection limit based on a two-dimensional organometallic perovskite ferroelectric. <i>Journal of Materials Chemistry C</i> , 2021, 9, 881-887.	2.7	23
21	Exploring a Fatigue-Free Layered Hybrid Perovskite Ferroelectric for Photovoltaic Non-Volatile Memories. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10598-10602.	7.2	19
22	Chiral Lead-Free Hybrid Perovskites for Self-Powered Circularly Polarized Light Detection. <i>Angewandte Chemie</i> , 2021, 133, 8496-8499.	1.6	23
23	Chiral Lead-Free Hybrid Perovskites for Self-Powered Circularly Polarized Light Detection. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8415-8418.	7.2	144
24	Acquiring High- <i>T</i> C Layered Metal Halide Ferroelectrics via Cage-Confined Ethylamine Rotators. <i>Angewandte Chemie</i> , 2021, 133, 2875-2879.	1.6	8
25	A reduced-dimensional polar hybrid perovskite for self-powered broad-spectrum photodetection. <i>Chemical Science</i> , 2021, 12, 3050-3054.	3.7	20
26	Exploring a layered iodide perovskite crystal with centimetered dimension for extended spectral polarization-sensitive photodetection. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9499-9504.	2.7	9
27	(³ -Methoxy propyl amine) ₂ PbBr ₄ : a novel two-dimensional halide hybrid perovskite with efficient bluish white-light emission. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2119-2124.	3.0	28
28	A lead-free I-based hybrid double perovskite (I-C ₄ H ₈ NH ₃) ₄ AgBi ₈ for X-ray detection. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13157-13161.	2.7	25
29	Tailoring of a visible-light-absorbing biaxial ferroelectric towards broadband self-driven photodetection. <i>Nature Communications</i> , 2021, 12, 284.	5.8	86
30	Exploring a Fatigue-Free Layered Hybrid Perovskite Ferroelectric for Photovoltaic Non-Volatile Memories. <i>Angewandte Chemie</i> , 2021, 133, 10692-10696.	1.6	0
31	Rational design of high-quality 2D/3D perovskite heterostructure crystals for record-performance polarization-sensitive photodetection. <i>National Science Review</i> , 2021, 8, nwab044.	4.6	29
32	Bromine-Substitution-Induced High- <i>T</i> C Two-Dimensional Bilayered Perovskite Photoferroelectric. <i>Journal of the American Chemical Society</i> , 2021, 143, 7593-7598.	6.6	40
33	Two-Dimensional Guanidine-Based Hybrid Perovskites with Strong Dichroism for Multiwavelength Polarization-Sensitive Detection. <i>Chemistry - A European Journal</i> , 2021, 27, 9267-9271.	1.7	7
34	The First Improper Ferroelectric of 2D Multilayered Hybrid Perovskite Enabling Strong Tunable Polarization-Directed Second Harmonic Generation Effect. <i>Advanced Functional Materials</i> , 2021, 31, 2103012.	7.8	34
35	Incorporating Guanidinium as Perovskite Cation of Two-Dimensional Metal Halide for Crystal-Array Photodetectors. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1925-1929.	1.7	7
36	Chirality-Dependent Second-Order Nonlinear Optical Effect in 1D Organic-Inorganic Hybrid Perovskite Bulk Single Crystal. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20021-20026.	7.2	100

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37	Great Amplification of Circular Polarization Sensitivity via Heterostructure Engineering of a Chiral Two-Dimensional Hybrid Perovskite Crystal with a Three-Dimensional MAPbI ₃ Crystal. ACS Central Science, 2021, 7, 1261-1268.	5.3	41
38	Chirality-Dependent Second-Order Nonlinear Optical Effect in 1D Organic-Inorganic Hybrid Perovskite Bulk Single Crystal. Angewandte Chemie, 2021, 133, 20174-20179.	1.6	8
39	A Metal-Free Molecular Antiferroelectric Material Showing High Phase Transition Temperatures and Large Electrocaloric Effects. Journal of the American Chemical Society, 2021, 143, 14379-14385.	6.6	33
40	Monolayer-to-Multilayer Dimensionality Reconstruction in a Hybrid Perovskite for Exploring the Bulk Photovoltaic Effect Enables Passive X-ray Detection. Angewandte Chemie, 2021, 133, 21138-21144.	1.6	9
41	Realization of visible-NIR Dual-Modal Circularly Polarized Light Detection in Chiral Perovskite Bulk Crystals. Journal of the American Chemical Society, 2021, 143, 14077-14082.	6.6	80
42	Monolayer-to-Multilayer Dimensionality Reconstruction in a Hybrid Perovskite for Exploring the Bulk Photovoltaic Effect Enables Passive X-ray Detection. Angewandte Chemie - International Edition, 2021, 60, 20970-20976.	7.2	42
43	High-Curie Temperature Multilayered Hybrid Double Perovskite Photoferroelectrics Induced by Aromatic Cation Alloying. Journal of the American Chemical Society, 2021, 143, 15900-15906.	6.6	45
44	Heterogeneous Integration of Chiral Lead-Chloride Perovskite Crystals with Si Wafer for Boosted Circularly Polarized Light Detection in Solar-Blind Ultraviolet Region. Small, 2021, 17, e2102884.	5.2	31
45	Spacer Cation Alloying of a Homoconformational Carboxylate <i>trans</i> Isomer to Boost in-Plane Ferroelectricity in a 2D Hybrid Perovskite. Journal of the American Chemical Society, 2021, 143, 2130-2137.	6.6	106
46	Giant room temperature electrocaloric effect in a layered hybrid perovskite ferroelectric: [(CH ₃) ₂ CHCH ₂ NH ₃] ₂ PbCl ₄ . Nature Communications, 2021, 12, 5502.	5.8	44
47	Centimeter-Sized Single Crystal of a One-Dimensional Lead-Free Mixed-Cation Perovskite Ferroelectric for Highly Polarization Sensitive Photodetection. Journal of the American Chemical Society, 2021, 143, 16758-16767.	6.6	42
48	<i>In Situ</i> Epitaxial Growth of Centimeter-Sized Lead-Free (BA) ₂ CsAgBiBr ₇ /Cs ₂ AgBiBr ₆ Heterocrystals for Self-Driven X-ray Detection. Journal of the American Chemical Society, 2021, 143, 20802-20810.	6.6	65
49	Cage-incorporation of secondary amine in Ruddlesden-Popper 2D hybrid perovskite with strong photoconductivity and polarization response. Journal of Materials Chemistry C, 2021, 9, 17349-17356.	2.7	12
50	A Potential Sn-Based Hybrid Perovskite Ferroelectric Semiconductor. Journal of the American Chemical Society, 2020, 142, 1159-1163.	6.6	72
51	Exploiting the Bulk Photovoltaic Effect in a 2D Trilayered Hybrid Ferroelectric for Highly Sensitive Polarized Light Detection. Angewandte Chemie, 2020, 132, 3961-3965.	1.6	16
52	Exploiting the Bulk Photovoltaic Effect in a 2D Trilayered Hybrid Ferroelectric for Highly Sensitive Polarized Light Detection. Angewandte Chemie - International Edition, 2020, 59, 3933-3937.	7.2	111
53	2D Hybrid Perovskite Ferroelectric Enables Highly Sensitive X-ray Detection with Low Driving Voltage. Advanced Functional Materials, 2020, 30, 1905529.	7.8	110
54	Trilayered Lead Chloride Perovskite Ferroelectric Affording Self-Powered Visible-Blind Ultraviolet Photodetection with Large Zero-Bias Photocurrent. Journal of the American Chemical Society, 2020, 142, 55-59.	6.6	93

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55	Dimensional Reduction of Cs ₂ AgBiBr ₆ : A 2D Hybrid Double Perovskite with Strong Polarization Sensitivity. <i>Angewandte Chemie</i> , 2020, 132, 3457-3461.	1.6	18
56	Dimensional Reduction of Cs ₂ AgBiBr ₆ : A 2D Hybrid Double Perovskite with Strong Polarization Sensitivity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3429-3433.	7.2	78
57	Ferroelectricity-Driven Self-Powered Ultraviolet Photodetection with Strong Polarization Sensitivity in a Two-Dimensional Halide Hybrid Perovskite. <i>Angewandte Chemie</i> , 2020, 132, 19095-19099.	1.6	19
58	Ferroelectricity-Driven Self-Powered Ultraviolet Photodetection with Strong Polarization Sensitivity in a Two-Dimensional Halide Hybrid Perovskite. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18933-18937.	7.2	88
59	Soft Perovskite-Type Antiferroelectric with Giant Electrocaloric Strength near Room Temperature. <i>Journal of the American Chemical Society</i> , 2020, 142, 20744-20751.	6.6	37
60	Giant and Broadband Multiphoton Absorption Nonlinearities of a 2D Organometallic Perovskite Ferroelectric. <i>Advanced Materials</i> , 2020, 32, e2002972.	11.1	51
61	A Lead-Free Organic-inorganic Halide Perovskite Absorber with Photoconductive Response. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3350-3355.	1.7	5
62	3D-to-2D Dimensional Reduction for Exploiting a Multilayered Perovskite Ferroelectric toward Polarized-Light Detection in the Solar-Blind Ultraviolet Region. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21693-21697.	7.2	55
63	3D-to-2D Dimensional Reduction for Exploiting a Multilayered Perovskite Ferroelectric toward Polarized-Light Detection in the Solar-Blind Ultraviolet Region. <i>Angewandte Chemie</i> , 2020, 132, 21877-21881.	1.6	16
64	Exploiting two-dimensional hybrid perovskites incorporating secondary amines for high-performance array photodetection. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12848-12853.	2.7	9
65	Frontispiece: Recent Advances and Optoelectronic Applications of Lead-Free Halide Double Perovskites. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	1
66	Exploring a lead-free organic-inorganic semiconducting hybrid with above-room-temperature dielectric phase transition. <i>RSC Advances</i> , 2020, 10, 17492-17496.	1.7	11
67	Room-Temperature Ferroelectric Material Composed of a Two-Dimensional Metal Halide Double Perovskite for X-ray Detection. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13879-13884.	7.2	116
68	Room-Temperature Ferroelectric Material Composed of a Two-Dimensional Metal Halide Double Perovskite for X-ray Detection. <i>Angewandte Chemie</i> , 2020, 132, 13983-13988.	1.6	31
69	A chiral lead-free photoactive hybrid material with a narrow bandgap. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2770-2777.	3.0	16
70	Highly Anisotropic Dion-Jacobson Hybrid Perovskite by Tailoring Diamine into CsPbBr ₃ for Polarization-Sensitive Photodetection. <i>Small</i> , 2020, 16, e1907020.	5.2	47
71	Minute-Scale Rapid Crystallization of a Highly Dichroic 2D Hybrid Perovskite Crystal toward Efficient Polarization-Sensitive Photodetector. <i>Advanced Optical Materials</i> , 2020, 8, 2000149.	3.6	31
72	Halide Double Perovskite Ferroelectrics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9305-9308.	7.2	60

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73	Solution-Grown Large-Sized Single-Crystalline 2D/3D Perovskite Heterostructure for Self-Powered Photodetection. <i>Advanced Optical Materials</i> , 2020, 8, 2000311.	3.6	35
74	(C ₃ H ₉ NI) ₄ AgBiI ₈ : a direct-bandgap layered double perovskite based on a short-chain spacer cation for light absorption. <i>Chemical Communications</i> , 2020, 56, 3206-3209.	2.2	51
75	Multilayered 2D Cesium-Based Hybrid Perovskite with Strong Polarization Sensitivity: Dimensional Reduction of CsPbBr ₃ . <i>Chemistry - A European Journal</i> , 2020, 26, 3494-3498.	1.7	16
76	A one-dimensional dual emissive hybrid perovskite with flexibly tunable white-light emission. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6710-6714.	2.7	36
77	Recent Advances and Optoelectronic Applications of Lead-Free Halide Double Perovskites. <i>Chemistry - A European Journal</i> , 2020, 26, 16975-16984.	1.7	38
78	A Multiaxial Layered Halide Double Perovskite Ferroelectric with Multiple Ferroic Orders. <i>Chemistry of Materials</i> , 2020, 32, 8965-8970.	3.2	44
79	Polarization-Driven Self-Powered Photodetection in a Single-Phase Biaxial Hybrid Perovskite Ferroelectric. <i>Angewandte Chemie</i> , 2019, 131, 14646-14650.	1.6	28
80	Polarization-Driven Self-Powered Photodetection in a Single-Phase Biaxial Hybrid Perovskite Ferroelectric. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14504-14508.	7.2	114
81	Highly Oriented Thin Films of 2D Ruddlesden-Popper Hybrid Perovskite toward Superfast Response Photodetectors. <i>Small</i> , 2019, 15, e1901194.	5.2	29
82	A Lead-Free Hybrid Iodide with Quantitative Response to X-ray Radiation. <i>Chemistry of Materials</i> , 2019, 31, 5927-5932.	3.2	75
83	Tailored Synthesis of an Unprecedented Pb-Mn Heterometallic Halide Hybrid with Enhanced Emission. <i>Journal of the American Chemical Society</i> , 2019, 141, 12197-12201.	6.6	50
84	High-Temperature Antiferroelectric of Lead Iodide Hybrid Perovskites. <i>Journal of the American Chemical Society</i> , 2019, 141, 12470-12474.	6.6	108
85	Intrinsic Strong Linear Dichroism of Multilayered 2D Hybrid Perovskite Crystals toward Highly Polarized-Sensitive Photodetection. <i>Advanced Optical Materials</i> , 2019, 7, 1901049.	3.6	35
86	Exploring Lead-Free Hybrid Double Perovskite Crystals of (BA) ₂ CsAgBiBr ₇ with Large Mobility-Lifetime Product toward X-Ray Detection. <i>Angewandte Chemie</i> , 2019, 131, 15904-15908.	1.6	25
87	Exploring Lead-Free Hybrid Double Perovskite Crystals of (BA) ₂ CsAgBiBr ₇ with Large Mobility-Lifetime Product toward X-Ray Detection. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15757-15761.	7.2	151
88	Two-Dimensional Hybrid Perovskite-Type Ferroelectric for Highly Polarization-Sensitive Shortwave Photodetection. <i>Journal of the American Chemical Society</i> , 2019, 141, 2623-2629.	6.6	237
89	Growth, thermal and spectral properties, and laser performance of Tm ³⁺ :CNGS crystal. <i>CrystEngComm</i> , 2019, 21, 866-875.	1.3	13
90	Successive near-room-temperature dielectric phase transitions in a lead-free hybrid perovskite-like compound. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 233-237.	3.0	14

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91	Structural phase transition and dielectric anisotropy properties of a lead-free organic–inorganic hybrid. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1761-1766.	3.0	12
92	Near-room-temperature tunable dielectric response induced by dual phase transitions in a lead-free hybrid: $(\text{C}_3\text{H}_8\text{N}_2)_2\text{SbBr}_5$. <i>CrystEngComm</i> , 2019, 21, 3740-3744.	1.3	10
93	An Unprecedented Biaxial Trilayered Hybrid Perovskite Ferroelectric with Directionally Tunable Photovoltaic Effects. <i>Journal of the American Chemical Society</i> , 2019, 141, 7693-7697.	6.6	145
94	Two Heteromorphic Crystals of Antimony-Based Hybrids Showing Tunable Optical Band Gaps and Distinct Photoelectric Responses. <i>Inorganic Chemistry</i> , 2019, 58, 6544-6549.	1.9	17
95	$(\text{C}_6\text{H}_{13}\text{NH}_3)_2(\text{NH}_2\text{CHNH}_2)_2\text{Pb}_2\text{I}_7$: A Two-dimensional Bilayer Inorganic–Organic Hybrid Perovskite Showing Photodetecting Behavior. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1530-1534.	1.7	18
96	Highly Sensitive and Ultrafast Responding Array Photodetector Based on a Newly Tailored 2D Lead Iodide Perovskite Crystal. <i>Advanced Optical Materials</i> , 2019, 7, 1900308.	3.6	42
97	In Situ Activation of Disulfides for Multicomponent Reactions with Isocyanides and a Broad Range of Nucleophiles. <i>Organic Letters</i> , 2019, 21, 1484-1487.	2.4	19
98	Discovery of an Above-Room-Temperature Antiferroelectric in Two-Dimensional Hybrid Perovskite. <i>Journal of the American Chemical Society</i> , 2019, 141, 3812-3816.	6.6	77
99	Tunable optical absorption in lead-free perovskite-like hybrids by iodide management. <i>Chemical Communications</i> , 2019, 55, 14174-14177.	2.2	23
100	Rational chemical doping of metal halide perovskites. <i>Chemical Society Reviews</i> , 2019, 48, 517-539.	18.7	196
101	$[\text{C}_5\text{H}_{12}\text{N}]\text{SnCl}_3$: A Tin Halide Organic–Inorganic Hybrid as an Above-Room-Temperature Solid-State Nonlinear Optical Switch. <i>Chemistry - A European Journal</i> , 2019, 25, 2610-2615.	1.7	38
102	The First 2D Hybrid Perovskite Ferroelectric Showing Broadband White-Light Emission with High Color Rendering Index. <i>Advanced Functional Materials</i> , 2019, 29, 1805038.	7.8	134
103	A lead-free perovskite-like hybrid with above-room-temperature switching of quadratic nonlinear optical properties. <i>Chemical Communications</i> , 2018, 54, 5614-5617.	2.2	37
104	$[\text{C}_6\text{H}_{14}\text{N}]\text{PbI}_3$: a one-dimensional perovskite-like order–disorder phase transition material with semiconducting and switchable dielectric attributes. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 897-902.	3.0	48
105	Inch-Sized Single Crystal of a Lead-Free Organic–Inorganic Hybrid Perovskite for High-Performance Photodetector. <i>Advanced Functional Materials</i> , 2018, 28, 1705467.	7.8	146
106	A lead-free semiconducting hybrid with ultra-high color rendering index white-light emission. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2801-2805.	2.7	23
107	Non-Centrosymmetric $\text{RbNaMgP}_2\text{O}_7$ with Unprecedented Thermo-Induced Enhancement of Second Harmonic Generation. <i>Journal of the American Chemical Society</i> , 2018, 140, 1592-1595.	6.6	200
108	Thermolysis-Induced Two- or Multicomponent Tandem Reactions Involving Isocyanides and Sulfenic-Acid-Generating Sulfoxides: Access to Diverse Sulfur-Containing Functional Scaffolds. <i>Organic Letters</i> , 2018, 20, 522-525.	2.4	26

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109	Broadband white-light emission with a high color rendering index in a two-dimensional organic-inorganic hybrid perovskite. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1171-1175.	2.7	86
110	White-light emission in a chiral one-dimensional organic-inorganic hybrid perovskite. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6033-6037.	2.7	147
111	Mixing Halogens To Assemble an All-Inorganic Layered Perovskite with Warm White Light Emission. <i>Chemistry - A European Journal</i> , 2018, 24, 9243-9246.	1.7	17
112	(C ₆ H ₁₃ N) ₂ BiI ₅ : A One-Dimensional Lead-Free Perovskite-Derivative Photoconductive Light Absorber. <i>Inorganic Chemistry</i> , 2018, 57, 4239-4243.	1.9	76
113	[C ₆ H ₁₄ N]PbBr ₃ : An ABX ₃ -Type Semiconducting Perovskite Hybrid with Above-Room-Temperature Phase Transition. <i>Chemistry - an Asian Journal</i> , 2018, 13, 982-988.	1.7	20
114	Highly efficient white-light emission in a polar two-dimensional hybrid perovskite. <i>Chemical Communications</i> , 2018, 54, 4053-4056.	2.2	94
115	Switchable behaviors of quadratic nonlinear optical properties originating from bi-step phase transitions in a molecule-based crystal. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4150-4155.	2.7	23
116	A new antimony-based organic-inorganic hybrid absorber with photoconductive response. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 3028-3032.	3.0	11
117	Towards a Spectrally Customized Photoresponse from an Organic-Inorganic Hybrid Ferroelectric. <i>Angewandte Chemie</i> , 2018, 130, 17006-17009.	1.6	3
118	Realization of "warm" white light via halide substitution in polar two-dimensional hybrid perovskites (2meptH ₂)PbCl _x Br _{4-x} . <i>Journal of Materials Chemistry C</i> , 2018, 6, 12267-12272.	2.7	60
119	Structural Phase Transition and Switchable Dielectric Properties of a Unique Two-Dimensional Organic-Inorganic Hybrid Perovskite Compound [C ₆ H ₁₁ NH ₂ CH ₃] ₄ Pb ₃ I ₁₀ . <i>Crystal Growth and Design</i> , 2018, 18, 7316-7322.	1.4	34
120	Towards a Spectrally Customized Photoresponse from an Organic-Inorganic Hybrid Ferroelectric. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16764-16767.	7.2	18
121	Dielectric phase transition triggered by the order-disorder transformation of cyclopropylamine in a layered organic-inorganic halide perovskite. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10327-10331.	2.7	34
122	Bilayered Hybrid Perovskite Ferroelectric with Giant Two-Photon Absorption. <i>Journal of the American Chemical Society</i> , 2018, 140, 6806-6809.	6.6	185
123	Exploring a Polar Two-Dimensional Multi-Layered Hybrid Perovskite of (C ₅ H ₁₁ NH ₃) ₂ (CH ₃ NH ₃)Pb ₂ I ₇ for Ultrafast-Responding Photodetection. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800060.	1.6	6
124	Triiodide-Induced Band-Edge Reconstruction of a Lead-Free Perovskite-Derivative Hybrid for Strong Light Absorption. <i>Chemistry of Materials</i> , 2018, 30, 4081-4088.	3.2	52
125	Above-room-temperature switching of quadratic nonlinear optical properties in a Bi-halide organic-inorganic hybrid. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9532-9536.	2.7	34
126	(1,4-Butyldiammonium)CdBr ₄ : a layered organic-inorganic hybrid perovskite with a visible-blind ultraviolet photoelectric response. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2450-2455.	3.0	17

#	ARTICLE	IF	CITATIONS
127	Alloying n -Butylamine into CsPbBr_3 To Give a Two-Dimensional Bilayered Perovskite Ferroelectric Material. <i>Angewandte Chemie</i> , 2018, 130, 8272-8275.	1.6	26
128	Alloying n -Butylamine into CsPbBr_3 To Give a Two-Dimensional Bilayered Perovskite Ferroelectric Material. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8140-8143.	7.2	135
129	A Molecular Ferroelectric Showing Room-Temperature Record-Fast Switching of Spontaneous Polarization. <i>Angewandte Chemie</i> , 2018, 130, 9981-9985.	1.6	13
130	A Molecular Ferroelectric Showing Room-Temperature Record-Fast Switching of Spontaneous Polarization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9833-9837.	7.2	26
131	A supra-molecular switchable dielectric material with non-linear optical properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2865-2870.	2.7	64
132	Bandgap Narrowing of Lead-Free Perovskite-Type Hybrids for Visible-Light-Absorbing Ferroelectric Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2012-2018.	2.1	71
133	Hydrogen-Bonded Switchable Dielectric Material Showing the Bistability of Second-Order Nonlinear Optical Properties. <i>Crystal Growth and Design</i> , 2017, 17, 3250-3256.	1.4	15
134	N-Methylpyrrolidinium hydrogen tartrate (NMPHT): an above-room-temperature order-disorder molecular switchable dielectric material. <i>RSC Advances</i> , 2017, 7, 24368-24373.	1.7	11
135	$\text{[C}_5\text{H}_{12}\text{N]CdCl}_3$: an ABX_3 perovskite-type semiconducting switchable dielectric phase transition material. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1485-1492.	3.0	44
136	A semi-conductive organic-inorganic hybrid emits pure white light with an ultrahigh color rendering index. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4731-4735.	2.7	55
137	Lead-Free Hybrid Material with an Exceptional Dielectric Phase Transition Induced by a Chair-to-Boat Conformation Change of the Organic Cation. <i>Inorganic Chemistry</i> , 2017, 56, 13078-13085.	1.9	35
138	(2-Methylpiperidine) PbI_3 : an ABX_3 -type organic-inorganic hybrid chain compound and its semiconducting nanowires with photoconductive properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11466-11471.	2.7	20
139	$\text{[(CH}_3)_3\text{NH]Bi}_2\text{I}_9$: A Polar Lead-Free Hybrid Perovskite-Like Material as a Potential Semiconducting Absorber. <i>Chemistry - A European Journal</i> , 2017, 23, 17304-17310.	1.7	46
140	Unusual Long-Range Ordering Incommensurate Structural Modulations in an Organic Molecular Ferroelectric. <i>Journal of the American Chemical Society</i> , 2017, 139, 15900-15906.	6.6	30
141	Thermochromism to tune the optical bandgap of a lead-free perovskite-type hybrid semiconductor for efficiently enhancing photocurrent generation. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9967-9971.	2.7	28
142	Synthesis of 1,2-disubstituted benzimidazoles using an aza-Wittig-equivalent process. <i>RSC Advances</i> , 2017, 7, 44421-44425.	1.7	7
143	Tailored Engineering of an Unusual $\text{(C}_4\text{H}_9\text{NH}_3)_2\text{(CH}_3\text{NH}_3)_2\text{Pb}_3\text{Br}_9$ Two-Dimensional Multilayered Perovskite Ferroelectric for a High-Performance Photodetector. <i>Angewandte Chemie</i> , 2017, 129, 12318-12322.	1.6	71
144	Tailored Engineering of an Unusual $\text{(C}_4\text{H}_9\text{NH}_3)_2\text{(CH}_3\text{NH}_3)_2\text{Pb}_3\text{Br}_9$ Two-Dimensional Multilayered Perovskite Ferroelectric for a High-Performance Photodetector. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12150-12154.	7.2	229

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151	Reversible phase transition driven by order-disorder transformations of metal-halide moieties in [(C ₆ H ₁₄)NH ₂] ₂ ·CuBr ₄ . Journal of Materials Chemistry C, 2016, 4, 7537-7540.	2.7	44
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164	Hydrogen-Bonded Displacive-Type Ferroelastic Phase Transition in a New Entangled Supramolecular Compound. <i>Crystal Growth and Design</i> , 2015, 15, 457-464.	1.4	26
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166	Order-disorder phase transition coupled with torsion in tri-n-butylammonium trichloroacetate (TBAT). <i>Journal of Materials Chemistry C</i> , 2015, 3, 6053-6057.	2.7	15
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170	Construction of Interpenetrated Ruthenium Metal-Organic Frameworks as Stable Photocatalysts for CO ₂ Reduction. <i>Inorganic Chemistry</i> , 2015, 54, 8375-8379.	1.9	115
171	Dynamic Entangled Framework Based on an Iridium-Organic Unit Showing Reversible Luminescence Turn-On Sensing. <i>Inorganic Chemistry</i> , 2015, 54, 8872-8874.	1.9	22
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175	Second-Order Nonlinear Optical Switch of a New Hydrogen-Bonded Supramolecular Crystal with a High Laser-Induced Damage Threshold. <i>Advanced Optical Materials</i> , 2014, 2, 1199-1205.	3.6	55
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178	N-Isopropylbenzylammonium tetrafluoroborate: an organic dielectric relaxor with a tunable transition between high and low dielectric states. <i>Journal of Materials Chemistry C</i> , 2014, 2, 567-572.	2.7	61
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184	A combination of multiple chromophores enhances second-harmonic generation in a nonpolar noncentrosymmetric oxide: CdTeMoO6. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2906.	2.7	67
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