Jun-Hua Luo

List of Publications by Year
in descending order

222 papers	12,278 citations	20759 60 h-index	37111 96 g-index
223 all docs	223 docs citations	223 times ranked	5054 citing authors

#	Article	IF	Citations
1	Beryllium-free Li4Sr(BO3)2 for deep-ultraviolet nonlinear optical applications. Nature Communications, 2014, 5, 4019.	5.8	384
2	Deep-Ultraviolet Transparent Phosphates RbBa₂(PO₃)₅ and Rb₂Ba₃(P₂O₇)₂ Show Nonlinear Optical Activity from Condensation of [PO₄]^{3â€“} Units. Journal of the American Chemical Society, 2014, 136, 8560-8563.	6.6	297
3	Beryllium-Free Rb₃Al₃B₃O₁₀F with Reinforced Interlayer Bonding as a Deep-Ultraviolet Nonlinear Optical Crystal. Journal of the American Chemical Society, 2015, 137, 2207-2210.	6.6	237
4	Two-Dimensional Hybrid Perovskite-Type Ferroelectric for Highly Polarization-Sensitive Shortwave Photodetection. Journal of the American Chemical Society, 2019, 141, 2623-2629.	6.6	237
5	Tailored Engineering of an Unusual (C₄H₉NH₃)₂(CH₃NH₃)₂Pb₃Br Twoâ€Dimensional Multilayered Perovskite Ferroelectric for a Highâ€Performance Photodetector. Angewandte Chemie - International Edition, 2017, 56, 12150-12154.	7.2	229
6	Designing a Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material without a Structural Instability Problem. Journal of the American Chemical Society, 2016, 138, 2961-2964.	6.6	220
7	Tailored Synthesis of a Nonlinear Optical Phosphate with a Short Absorption Edge. Angewandte Chemie - International Edition, 2015, 54, 4217-4221.	7.2	205
8	Non-Centrosymmetric RbNaMgP₂O₇ with Unprecedented Thermo-Induced Enhancement of Second Harmonic Generation. Journal of the American Chemical Society, 2018, 140, 1592-1595.	6.6	200
9	Rational chemical doping of metal halide perovskites. Chemical Society Reviews, 2019, 48, 517-539.	18.7	196
10	Bilayered Hybrid Perovskite Ferroelectric with Giant Two-Photon Absorption. Journal of the American Chemical Society, 2018, 140, 6806-6809.	6.6	185
11	Molecular Dynamics of Flexible Polar Cations in a Variable Confined Space: Toward Exceptional Twoâ€Step Nonlinear Optical Switches. Advanced Materials, 2016, 28, 5886-5890.	11.1	184
12	Two Non-Ï€-Conjugated Deep-UV Nonlinear Optical Sulfates. Journal of the American Chemical Society, 2019, 141, 3833-3837.	6.6	183
13	A Photoferroelectric Perovskiteâ€Type Organometallic Halide with Exceptional Anisotropy of Bulk Photovoltaic Effects. Angewandte Chemie - International Edition, 2016, 55, 6545-6550.	7.2	175
14	Bis(imidazolium) <scp>L</scp>â€Tartrate: A Hydrogenâ€Bonded Displaciveâ€Type Molecular Ferroelectric Material. Angewandte Chemie - International Edition, 2012, 51, 3871-3876.	7.2	152
15	Exploring Leadâ€Free Hybrid Double Perovskite Crystals of (BA)₂CsAgBiBr₇ with Large Mobilityâ€Lifetime Product toward Xâ€Ray Detection. Angewandte Chemie - International Edition, 2019, 58, 15757-15761.	7.2	151
16	White-light emission in a chiral one-dimensional organicâ€“inorganic hybrid perovskite. Journal of Materials Chemistry C, 2018, 6, 6033-6037.	2.7	147
17	Inchâ€Size Single Crystal of a Leadâ€Free Organicâ€“Inorganic Hybrid Perovskite for Highâ€Performance Photodetector. Advanced Functional Materials, 2018, 28, 1705467.	7.8	146
18	The role of cations in second-order nonlinear optical materials based on Ï€-conjugated [BO 3] 3â¯ groups. Coordination Chemistry Reviews, 2018, 366, 1-28.	9.5	145

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19	An Unprecedented Biaxial Trilayered Hybrid Perovskite Ferroelectric with Directionally Tunable Photovoltaic Effects. Journal of the American Chemical Society, 2019, 141, 7693-7697.	6.6	145
20	Chiral Leadâ€Free Hybrid Perovskites for Selfâ€Powered Circularly Polarized Light Detection. Angewandte Chemie - International Edition, 2021, 60, 8415-8418.	7.2	144
21	An Unprecedented Antimony(III) Borate with Strong Linear and Nonlinear Optical Responses. Angewandte Chemie - International Edition, 2020, 59, 7793-7796.	7.2	143
22	Solidâ€State Reversible Quadratic Nonlinear Optical Molecular Switch with an Exceptionally Large Contrast. Advanced Materials, 2013, 25, 4159-4163.	11.1	136
23	Alloying nâ€Butylamine into CsPbBr₃ To Give a Twoâ€Dimensional Bilayered Perovskite Ferroelectric Material. Angewandte Chemie - International Edition, 2018, 57, 8140-8143.	7.2	135
24	The First 2D Hybrid Perovskite Ferroelectric Showing Broadband Whiteâ€Light Emission with High Color Rendering Index. Advanced Functional Materials, 2019, 29, 1805038.	7.8	134
25	Distinct Molecular Motions in a Switchable Chromophore Dielectric 4â€N,Nâ€Dimethylaminoâ€4â€²â€Nâ€²â€methylstilbazolium Trifluoromethanesulfonate. Advanced Functional Materials, 2012, 22, 4855-4861.	7.8	133
26	Deep-Ultraviolet Transparent Cs₂LiPO₄ Exhibits an Unprecedented Second Harmonic Generation. Chemistry of Materials, 2016, 28, 7110-7116.	3.2	130
27	Exploring a Leadâ€free Semiconducting Hybrid Ferroelectric with a Zeroâ€Dimensional Perovskiteâ€like Structure. Angewandte Chemie - International Edition, 2016, 55, 11854-11858.	7.2	128
28	Plastic Transition to Switch Nonlinear Optical Properties Showing the Record High Contrast in a Single-Component Molecular Crystal. Journal of the American Chemical Society, 2015, 137, 15660-15663.	6.6	117
29	Roomâ€Temperature Ferroelectric Material Composed of a Twoâ€Dimensional Metal Halide Double Perovskite for Xâ€ray Detection. Angewandte Chemie - International Edition, 2020, 59, 13879-13884.	7.2	116
30	Polarizationâ€Driven Selfâ€Powered Photodetection in a Singleâ€Phase Biaxial Hybrid Perovskite Ferroelectric. Angewandte Chemie - International Edition, 2019, 58, 14504-14508.	7.2	114
31	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
32	High-Temperature Antiferroelectric of Lead Iodide Hybrid Perovskites. Journal of the American Chemical Society, 2019, 141, 12470-12474.	6.6	108
33	Spacer Cation Alloying of a Homoconformational Carboxylate trans Isomer to Boost in-Plane Ferroelectricity in a 2D Hybrid Perovskite. Journal of the American Chemical Society, 2021, 143, 2130-2137.	6.6	106
34	Chiralityâ€Dependent Secondâ€Order Nonlinear Optical Effect in 1D Organicâ€“Inorganic Hybrid Perovskite Bulk Single Crystal. Angewandte Chemie - International Edition, 2021, 60, 20021-20026.	7.2	100
35	A New UV Nonlinear Optical Material CsZn₂B₃O₇: ZnO₄ Tetrahedra Double the Efficiency of Second-Harmonic Generation. Inorganic Chemistry, 2014, 53, 2521-2527.	1.9	98
36	Highly efficient white-light emission in a polar two-dimensional hybrid perovskite. Chemical Communications, 2018, 54, 4053-4056.	2.2	94

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37	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
38	Integration of metal-organic frameworks into an electrochemical dielectric thin film for electronic applications. Nature Communications, 2016, 7, 11830.	5.8	92
39	Cooperation of Three Chromophores Generates the Waterâ€Resistant Nitrate Nonlinear Optical Material Bi₃TeO₆OH(NO₃)₂. Angewandte Chemie - International Edition, 2017, 56, 540-544.	7.2	91
40	Designing a Deep-UV Nonlinear Optical Fluorooxosilicophosphate. Journal of the American Chemical Society, 2020, 142, 6472-6476.	6.6	89
41	Ferroelectricityâ€Driven Selfâ€Powered Ultraviolet Photodetection with Strong Polarization Sensitivity in a Twoâ€Dimensional Halide Hybrid Perovskite. Angewandte Chemie - International Edition, 2020, 59, 18933-18937.	7.2	88
42	Broadband white-light emission with a high color rendering index in a two-dimensional organicâ€“inorganic hybrid perovskite. Journal of Materials Chemistry C, 2018, 6, 1171-1175.	2.7	86
43	Tailoring of a visible-light-absorbing biaxial ferroelectric towards broadband self-driven photodetection. Nature Communications, 2021, 12, 284.	5.8	86
44	The role of dipole moment in determining the nonlinear optical behavior of materials: ab initio studies on quaternary molybdenum tellurite crystals. Journal of Materials Chemistry C, 2014, 2, 530-537.	2.7	81
45	A hostâ€“guest inclusion compound for reversible switching of quadratic nonlinear optical properties. Chemical Communications, 2015, 51, 2298-2300.	2.2	81
46	Bulk crystal growth and characterization of imidazolium l-tartrate (IMLT): a novel organic nonlinear optical material with a high laser-induced damage threshold. CrystEngComm, 2013, 15, 2157.	1.3	80
47	Realization of visâ€“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
48	Dimensional Reduction of Cs₂AgBiBr₆: A 2D Hybrid Double Perovskite with Strong Polarization Sensitivity. Angewandte Chemie - International Edition, 2020, 59, 3429-3433.	7.2	78
49	Discovery of an Above-Room-Temperature Antiferroelectric in Two-Dimensional Hybrid Perovskite. Journal of the American Chemical Society, 2019, 141, 3812-3816.	6.6	77
50	A near-room-temperature organicâ€“inorganic hybrid ferroelectric: [C₆H₅CH₂CH₂NH₃]₂[CdI₄]. Chemical Communications, 2017, 53, 5764-5766.	4.2	76
51	(C₆H₁₃N)₂BiI₅: A One-Dimensional Lead-Free Perovskite-Derivative Photoconductive Light Absorber. Inorganic Chemistry, 2018, 57, 4239-4243.	1.9	76
52	A Non-Centrosymmetric Dual-Emissive Metalâ€“Organic Framework with Distinct Nonlinear Optical and Tunable Photoluminescence Properties. Crystal Growth and Design, 2013, 13, 106-110.	1.4	75
53	A Lead-Free Hybrid Iodide with Quantitative Response to X-ray Radiation. Chemistry of Materials, 2019, 31, 5927-5932.	3.2	75
54	A Potential Sn-Based Hybrid Perovskite Ferroelectric Semiconductor. Journal of the American Chemical Society, 2020, 142, 1159-1163.	6.6	72

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55	Ultrahigh Pyroelectric Figures of Merit Associated with Distinct Bistable Dielectric Phase Transition in a New Molecular Compound: Diâ€nâ€Butylaminium Trifluoroacetate. Advanced Materials, 2015, 27, 4795-4801.	11.1	71
56	Bandgap Narrowing of Lead-Free Perovskite-Type Hybrids for Visible-Light-Absorbing Ferroelectric Semiconductors. Journal of Physical Chemistry Letters, 2017, 8, 2012-2018.	2.1	71
57	Tailored Engineering of an Unusual (C₄H₉NH₃)₂(CH₃NH₃)₂Pb₃Br Twoâ€Dimensional Multilayered Perovskite Ferroelectric for a Highâ€Performance Photodetector. Angewandte Chemie, 2017, 129, 12318-12322.	1.6	71
58	Li₈NaRb₃(SO₄)₆Â·2H₂O as a new sulfate deep-ultraviolet nonlinear optical material. Journal of Materials Chemistry C, 2018, 6, 12240-12244.	2.7	66
59	Exploring a Polar Twoâ€dimensional Multiâ€layered Hybrid Perovskite of (C₅H₁₁NH₃)₂(CH₃NH₃)Pb₂I₇ for Ultrafastâ€Responding Photodetection. Laser and Photonics Reviews, 2018, 12, 1800060.	10.1	65
60	In Situ Epitaxial Growth of Centimeter-Sized Lead-Free (BA)₂CsAgBiBr₇/Cs₂AgBiBr₆ Heterocrystals for Self-Driven X-ray Detection. Journal of the American Chemical Society, 2021, 143, 20802-20810.	6.6	65
61	A supra-molecular switchable dielectric material with non-linear optical properties. Journal of Materials Chemistry C, 2017, 5, 2865-2870.	2.7	64
62	N-Isopropylbenzylammonium tetrafluoroborate: an organic dielectric relaxor with a tunable transition between high and low dielectric states. Journal of Materials Chemistry C, 2014, 2, 567-572.	2.7	61
63	Bulk Crystal Growth and Optical and Thermal Properties of the Nonlinear Optical Crystal <scp>l</scp>-Histidinium-4-nitrophenolate 4-Nitrophenol (LHPP). Crystal Growth and Design, 2012, 12, 2673-2678.	1.4	60
64	Realization of â€œwarmâ€•white light via halide substitution in polar two-dimensional hybrid perovskites (2meptH₂)PbCl_xBr_{4â^'x}. Journal of Materials Chemistry C, 2018, 6, 12267-12272.	2.7	60
65	An Exceptional Peroxide Birefringent Material Resulting from dâ€“Ï€ Interactions. Angewandte Chemie - International Edition, 2020, 59, 9414-9417.	7.2	60
66	Halide Double Perovskite Ferroelectrics. Angewandte Chemie - International Edition, 2020, 59, 9305-9308.	7.2	60
67	Phase Transition Triggered by Ordering of Unique Pendulum-Like Motions in a Supramolecular Complex: Potassium Hydrogen Bis(dichloroacetate)-18-Crown-6. Crystal Growth and Design, 2013, 13, 2675-2679.	1.4	58
68	Ultrasensitive polarized-light photodetectors based on 2D hybrid perovskite ferroelectric crystals with a low detection limit. Science Bulletin, 2021, 66, 158-163.	4.3	58
69	A sequentially switchable molecular dielectric material tuned by the stepwise ordering in diisopropylammonium trifluoromethanesulfonate. Journal of Materials Chemistry C, 2014, 2, 2341-2345.	2.7	56
70	Secondâ€Order Nonlinear Optical Switch of a New Hydrogenâ€Bonded Supramolecular Crystal with a High Laserâ€Induced Damage Threshold. Advanced Optical Materials, 2014, 2, 1199-1205.	3.6	55
71	Strong Nonlinear-Optical Response in the Pyrophosphate CsLiCdP₂O₇ with a Short Cutoff Edge. Inorganic Chemistry, 2016, 55, 11626-11629.	1.9	55
72	A semi-conductive organicâ€“inorganic hybrid emits pure white light with an ultrahigh color rendering index. Journal of Materials Chemistry C, 2017, 5, 4731-4735.	2.7	55

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73	3Dâ€toâ€2D Dimensional Reduction for Exploiting a Multilayered Perovskite Ferroelectric toward Polarizedâ€Light Detection in the Solarâ€Blind Ultraviolet Region. Angewandte Chemie - International Edition, 2020, 59, 21693-21697.	7.2	55
74	Triiodide-Induced Band-Edge Reconstruction of a Lead-Free Perovskite-Derivative Hybrid for Strong Light Absorption. Chemistry of Materials, 2018, 30, 4081-4088.	3.2	52
75	Giant and Broadband Multiphoton Absorption Nonlinearities of a 2D Organometallic Perovskite Ferroelectric. Advanced Materials, 2020, 32, e2002972.	11.1	51
76	(C₃H₉NI)₄AgBiI₈: a direct-bandgap layered double perovskite based on a short-chain spacer cation for light absorption. Chemical Communications, 2020, 56, 3206-3209.	2.2	51
77	Tailored Synthesis of an Unprecedented Pbâ€“Mn Heterometallic Halide Hybrid with Enhanced Emission. Journal of the American Chemical Society, 2019, 141, 12197-12201.	6.6	50
78	High-Performance Switching of Bulk Quadratic Nonlinear Optical Properties with Large Contrast in Polymer Films Based on Organic Hydrogen-Bonded Ferroelectrics. Chemistry of Materials, 2015, 27, 4493-4498.	3.2	49
79	A beryllium-free deep-UV nonlinear optical material CsNaMgP₂O₇with honeycomb-like topological layers. Journal of Materials Chemistry C, 2018, 6, 3910-3916.	2.7	48
80	[C6H14N]PbI3: a one-dimensional perovskite-like orderâ€“disorder phase transition material with semiconducting and switchable dielectric attributes. Inorganic Chemistry Frontiers, 2018, 5, 897-902.	3.0	48
81	Highlyâ€Anisotropic Dionâ€“Jacobson Hybrid Perovskite by Tailoring Diamine into CsPbBr₃ for Polarizationâ€Sensitive Photodetection. Small, 2020, 16, e1907020.	5.2	47
82	Recent Development of Non-Ï€-Conjugated Deep Ultraviolet Nonlinear Optical Materials. Chemistry of Materials, 2022, 34, 5-28.	3.2	47
83	[(CH₃)₃NH]₃Bi₂I₉: A Polar Leadâ€Free Hybrid Perovskiteâ€Like Material as a Potential Semiconducting Absorber. Chemistry - A European Journal, 2017, 23, 17304-17310.	1.7	46
84	Inorganicâ€“organic hybrid switchable dielectric materials with the coexistence of magnetic anomalies induced by reversible high-temperature phase transition. Journal of Materials Chemistry C, 2017, 5, 8509-8515.	2.7	46
85	Acquiring Highâ€T_C Layered Metal Halide Ferroelectrics via Cageâ€Confined Ethylamine Rotators. Angewandte Chemie - International Edition, 2021, 60, 2839-2843.	7.2	46
86	A Nonlinear Optical Switchable Sulfate of Ultrawide Bandgap. CCS Chemistry, 2021, 3, 2298-2306.	4.6	46
87	Synthesis and Crystal Structures of the First Two Novel Dicarboxylate Organotin Polymers Constructed from Dimeric Tetraorganodistannoxane Units. European Journal of Inorganic Chemistry, 2002, 2002, 2082-2085.	1.0	45
88	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
89	Reversible phase transition driven by orderâ€“disorder transformations of metal-halide moieties in [(C₆H₁₄)NH₂]₂Â·CuBr₄. Journal of Materials Chemistry C, 2016, 4, 7537-7540.	2.7	44
90	[C₅H₁₂N]CdCl₃: an ABX₃ perovskite-type semiconducting switchable dielectric phase transition material. Inorganic Chemistry Frontiers, 2017, 4, 1485-1492.	3.0	44

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91	A Multiaxial Layered Halide Double Perovskite Ferroelectric with Multiple Ferroic Orders. Chemistry of Materials, 2020, 32, 8965-8970.	3.2	44
92	Giant room temperature electrocaloric effect in a layered hybrid perovskite ferroelectric: [(CH3)2CHCH2NH3]2PbCl4. Nature Communications, 2021, 12, 5502.	5.8	44
93	An organicâ€“inorganic hybrid co-crystal complex as a high-performance solid-state nonlinear optical switch. Journal of Materials Chemistry C, 2016, 4, 266-271.	2.7	43
94	A New KBBF-Family Nonlinear Optical Material with Strong Interlayer Bonding. Crystal Growth and Design, 2017, 17, 4422-4427.	1.4	42
95	Highly Sensitive and Ultrafast Responding Array Photodetector Based on a Newly Tailored 2D Lead Iodide Perovskite Crystal. Advanced Optical Materials, 2019, 7, 1900308.	3.6	42
96	Monolayerâ€toâ€Multilayer Dimensionality Reconstruction in a Hybrid Perovskite for Exploring the Bulk Photovoltaic Effect Enables Passive Xâ€ray Detection. Angewandte Chemie - International Edition, 2021, 60, 20970-20976.	7.2	42
97	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
98	ABX₃-Type Organicâ€“Inorganic Hybrid Phase Transition Material: 1-Pentyl-3-methylimidazolium Tribromoplumbate. Inorganic Chemistry, 2015, 54, 7136-7138.	1.9	41
99	Great Amplification of Circular Polarization Sensitivity via Heterostructure Engineering of a Chiral Two-Dimensional Hybrid Perovskite Crystal with a Three-Dimensional MAPbI₃ Crystal. ACS Central Science, 2021, 7, 1261-1268.	5.3	41
100	Selfâ€Powered Visibleâ€Infrared Polarization Photodetection Driven by Ferroelectric Photovoltaic Effect in a Dionâ€“Jacobson Hybrid Perovskite. Advanced Functional Materials, 2022, 32, .	7.8	41
101	pH modulated assembly in the mixed-ligand system Cd(ii)â€“dpstcâ€“phen: structural diversity and luminescent properties. CrystEngComm, 2013, 15, 3992.	1.3	40
102	Bromine-Substitution-Induced High-T_c Two-Dimensional Bilayered Perovskite Photoferroelectric. Journal of the American Chemical Society, 2021, 143, 7593-7598.	6.6	40
103	A Photoferroelectric Perovskiteâ€Type Organometallic Halide with Exceptional Anisotropy of Bulk Photovoltaic Effects. Angewandte Chemie, 2016, 128, 6655-6660.	1.6	38
104	Triethylammonium picrate: An above-room-temperature phase transition material to switch quadratic nonlinear optical properties. Chinese Chemical Letters, 2018, 29, 285-288.	4.8	38
105	[C₅H₁₂N]SnCl₃: A Tin Halide Organicâ€“Inorganic Hybrid as an Aboveâ€Roomâ€Temperature Solidâ€State Nonlinear Optical Switch. Chemistry - A European Journal, 2019, 25, 2610-2615.	1.7	38
106	Switchable dielectric behaviour associated with above room-temperature phase transition in N-isopropylbenzylammonium dichloroacetate (N-IPBADC). Journal of Materials Chemistry C, 2014, 2, 6134-6139.	2.7	37
107	A lead-free perovskite-like hybrid with above-room-temperature switching of quadratic nonlinear optical properties. Chemical Communications, 2018, 54, 5614-5617.	2.2	37
108	Soft Perovskite-Type Antiferroelectric with Giant Electrocaloric Strength near Room Temperature. Journal of the American Chemical Society, 2020, 142, 20744-20751.	6.6	37

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109	A Deepâ€UV Nonlinear Optical Borosulfate with Incommensurate Modulations. Angewandte Chemie - International Edition, 2021, 60, 11457-11463.	7.2	37
110	Large-Area Exfoliated Lead-Free Perovskite-Derivative Single-Crystalline Membrane for Flexible Low-Defect Photodetectors. ACS Applied Materials & Interfaces, 2020, 12, 9141-9149.	4.0	36
111	A one-dimensional dual emissive hybrid perovskite with flexibly tunable white-light emission. Journal of Materials Chemistry C, 2020, 8, 6710-6714.	2.7	36
112	Lead-Free Hybrid Material with an Exceptional Dielectric Phase Transition Induced by a Chair-to-Boat Conformation Change of the Organic Cation. Inorganic Chemistry, 2017, 56, 13078-13085.	1.9	35
113	Intrinsic Strong Linear Dichroism of Multilayered 2D Hybrid Perovskite Crystals toward Highly Polarizedâ€Sensitive Photodetection. Advanced Optical Materials, 2019, 7, 1901049.	3.6	35
114	Solutionâ€Grown Largeâ€Sized Singleâ€Crystalline 2D/3D Perovskite Heterostructure for Selfâ€Powered Photodetection. Advanced Optical Materials, 2020, 8, 2000311.	3.6	35
115	[(N-AEPz)ZnCl₄]Cl: A â€œGreenâ€•Metal Halide Showing Highly Efficient Bluish-White-Light Emission. Inorganic Chemistry, 2020, 59, 3527-3531.	1.9	35
116	Structural Phase Transition and Switchable Dielectric Properties of a Unique Two-Dimensional Organicâ€“Inorganic Hybrid Perovskite Compound [C₆H₁₁NH₂CH₃]₄Pb₃I₁₀. Crystal Growth and Design, 2018, 18, 7316-7322.	1.4	34
117	Dielectric phase transition triggered by the orderâ€“disorder transformation of cyclopropylamine in a layered organicâ€“inorganic halide perovskite. Journal of Materials Chemistry C, 2018, 6, 10327-10331.	2.7	34
118	Above-room-temperature switching of quadratic nonlinear optical properties in a Biâ€“halide organicâ€“inorganic hybrid. Journal of Materials Chemistry C, 2018, 6, 9532-9536.	2.7	34
119	An Antimony(III) Fluoride Oxalate with Large Birefringence. Chemistry - A European Journal, 2021, 27, 4557-4560.	1.7	34
120	The First Improper Ferroelectric of 2D Multilayered Hybrid Perovskite Enabling Strong Tunable Polarizationâ€Directed Second Harmonic Generation Effect. Advanced Functional Materials, 2021, 31, 2103012.	7.8	34
121	Exploration of Chiral Organicâ€“Inorganic Hybrid Semiconducting Lead Halides. Chemistry - an Asian Journal, 2019, 14, 2273-2277.	1.7	33
122	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
123	Tailoring Interlayered Spacers of Twoâ€Dimensional Cesiumâ€Based Perovskite Ferroelectrics toward Exceptional Ferroâ€Pyroâ€Phototronic Effects. Small, 2022, 18, e2106888.	5.2	32
124	Roomâ€Temperature Ferroelectric Material Composed of a Twoâ€Dimensional Metal Halide Double Perovskite for Xâ€ray Detection. Angewandte Chemie, 2020, 132, 13983-13988.	1.6	31
125	Minuteâ€Scale Rapid Crystallization of a Highly Dichroic 2D Hybrid Perovskite Crystal toward Efficient Polarizationâ€Sensitive Photodetector. Advanced Optical Materials, 2020, 8, 2000149.	3.6	31
126	Heterogeneous Integration of Chiral Leadâ€“Chloride Perovskite Crystals with Si Wafer for Boosted Circularly Polarized Light Detection in Solarâ€Blind Ultraviolet Region. Small, 2021, 17, e2102884.	5.2	31

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127	Anisotropy in a 2D Perovskite Ferroelectric Drives Selfâ€Powered Polarizationâ€Sensitive Photoresponse for Ultraviolet Solarâ€Blind Polarizedâ€Light Detection. Angewandte Chemie - International Edition, 2022, 61, .	7.2	31
128	Unusual Long-Range Ordering Incommensurate Structural Modulations in an Organic Molecular Ferroelectric. Journal of the American Chemical Society, 2017, 139, 15900-15906.	6.6	30
129	Highly Oriented Thin Films of 2D Ruddlesdenâ€Popper Hybrid Perovskite toward Superfast Response Photodetectors. Small, 2019, 15, e1901194.	5.2	29
130	Rational design of high-quality 2D/3D perovskite heterostructure crystals for record-performance polarization-sensitive photodetection. National Science Review, 2021, 8, nwab044.	4.6	29
131	Thermochromism to tune the optical bandgap of a lead-free perovskite-type hybrid semiconductor for efficiently enhancing photocurrent generation. Journal of Materials Chemistry C, 2017, 5, 9967-9971.	2.7	28
132	Polarizationâ€Driven Selfâ€Powered Photodetection in a Singleâ€Phase Biaxial Hybrid Perovskite Ferroelectric. Angewandte Chemie, 2019, 131, 14646-14650.	1.6	28
133	(Î³-Methoxy propyl amine)₂PbBr₄: a novel two-dimensional halide hybrid perovskite with efficient bluish white-light emission. Inorganic Chemistry Frontiers, 2021, 8, 2119-2124.	3.0	28
134	Exceptional bi-step switching of quadratic nonlinear optical properties in a one-dimensional channel compound. Chemical Communications, 2017, 53, 7669-7672.	2.2	27
135	Tailoring the Distinctive Chiralâ€Polar Perovskites with Alternating Cations in the Interlayer Space for Selfâ€Driven Circularly Polarized Light Detection. Advanced Optical Materials, 2022, 10, .	3.6	27
136	Rational Design and Syntheses of Molecular Phase Transition Crystal Materials. Crystal Growth and Design, 2016, 16, 6685-6695.	1.4	26
137	Broad-Band-Emissive Organicâ€“Inorganic Hybrid Semiconducting Nanowires Based on an ABX₃-Type Chain Compound. Inorganic Chemistry, 2017, 56, 8776-8781.	1.9	26
138	A Langbeinite-Type Yttrium Phosphate LiCs₂Y₂(PO₄)₃. Inorganic Chemistry, 2018, 57, 13087-13091.	1.9	26
139	Alloying nâ€Butylamine into CsPbBr₃ To Give a Twoâ€Dimensional Bilayered Perovskite Ferroelectric Material. Angewandte Chemie, 2018, 130, 8272-8275.	1.6	26
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