

Jun-Hua Luo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

209
papers

7,847
citations

51
h-index

78
g-index

223
ext. papers

9,975
ext. citations

9.2
avg. IF

6.44
L-index

#	Paper	IF	Citations
209	Tailoring Interlayered Spacers of Two-Dimensional Cesium-Based Perovskite Ferroelectrics toward Exceptional Ferro-Pyro-Phototronic Effects.. <i>Small</i> , 2022 , e2106888	11	8
208	Recent Development of Non-EConjugated Deep Ultraviolet Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2022 , 34, 5-28	9.6	5
207	2D Hybrid perovskite incorporating cage-confined secondary ammonium cations toward effective photodetection.. <i>Chemical Communications</i> , 2021 ,	5.8	5
206	Epitaxial Growth of Centimeter-Sized Lead-Free (BA)CsAgBiBr/CsAgBiBr Heterocrystals for Self-Driven X-ray Detection. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	12
205	Unusual ferroelectric-dependent birefringence in 2D trilayered perovskite-type ferroelectric exploited by dimensional tailoring. <i>Matter</i> , 2021 ,	12.7	3
204	Cage-incorporation of secondary amine in Ruddlesden-Popper 2D hybrid perovskite with strong photoconductivity and polarization response. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 17349-17356	7.1	3
203	Giant room temperature electrocaloric effect in a layered hybrid perovskite ferroelectric: [(CH)CHCHNH]PbCl. <i>Nature Communications</i> , 2021 , 12, 5502	17.4	8
202	Centimeter-Sized Single Crystal of a One-Dimensional Lead-Free Mixed-Cation Perovskite Ferroelectric for Highly Polarization Sensitive Photodetection. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16758-16767	16.4	15
201	Exploring a Fatigue-Free Layered Hybrid Perovskite Ferroelectric for Photovoltaic Non-Volatile Memories. <i>Angewandte Chemie</i> , 2021 , 133, 10692-10696	3.6	
200	Rational design of high-quality 2D/3D perovskite heterostructure crystals for record-performance polarization-sensitive photodetection. <i>National Science Review</i> , 2021 , 8, nwab044	10.8	7
199	A Deep-UV Nonlinear Optical Borosulfate with Incommensurate Modulations. <i>Angewandte Chemie</i> , 2021 , 133, 11558-11564	3.6	5
198	A Deep-UV Nonlinear Optical Borosulfate with Incommensurate Modulations. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11457-11463	16.4	13
197	Bromine-Substitution-Induced High- Two-Dimensional Bilayered Perovskite Photoferroelectric. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7593-7598	16.4	11
196	Two-Dimensional Guanidine-Based Hybrid Perovskites with Strong Dichroism for Multiwavelength Polarization-Sensitive Detection. <i>Chemistry - A European Journal</i> , 2021 , 27, 9267-9271	4.8	4
195	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	15.6	5
194	Incorporating Guanidinium as Perovskite-Cation of Two-Dimensional Metal Halide for Crystal-Array Photodetectors. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 1925-1929	4.5	2
193	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	16.4	26

192	Great Amplification of Circular Polarization Sensitivity via Heterostructure Engineering of a Chiral Two-Dimensional Hybrid Perovskite Crystal with a Three-Dimensional MAPbI ₃ Crystal. <i>ACS Central Science</i> , 2021 , 7, 1261-1268	16.8	9
191	Chirality-Dependent Second-Order Nonlinear Optical Effect in 1D Organic-Inorganic Hybrid Perovskite Bulk Single Crystal. <i>Angewandte Chemie</i> , 2021 , 133, 20174-20179	3.6	2
190	Ultrasensitive polarized-light photodetectors based on 2D hybrid perovskite ferroelectric crystals with a low detection limit. <i>Science Bulletin</i> , 2021 , 66, 158-163	10.6	27
189	Noncentrosymmetric K ₂ Mn ₃ (SO ₄) ₃ F ₂ ·4H ₂ O and Rb ₂ Mn ₃ (SO ₄) ₃ F ₂ ·2H ₂ O with pseudo-KTP structures. <i>Chinese Chemical Letters</i> , 2021 , 32, 263-265	8.1	6
188	Acquiring High-T Layered Metal Halide Ferroelectrics via Cage-Confined Ethylamine Rotators. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2839-2843	16.4	21
187	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	7.1	13
186	A new nonlinear optical sulfate of layered structure: Cs ₂ Zn ₂ (SO ₄) ₃ . <i>Inorganic Chemistry Communication</i> , 2021 , 124, 108390	3.1	3
185	Exploring a Fatigue-Free Layered Hybrid Perovskite Ferroelectric for Photovoltaic Non-Volatile Memories. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10598-10602	16.4	6
184	An Antimony(III) Fluoride Oxalate with Large Birefringence. <i>Chemistry - A European Journal</i> , 2021 , 27, 4557-4560	4.8	6
183	Chiral Lead-Free Hybrid Perovskites for Self-Powered Circularly Polarized Light Detection. <i>Angewandte Chemie</i> , 2021 , 133, 8496-8499	3.6	7
182	Chiral Lead-Free Hybrid Perovskites for Self-Powered Circularly Polarized Light Detection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8415-8418	16.4	48
181	Acquiring High-TC Layered Metal Halide Ferroelectrics via Cage-Confined Ethylamine Rotators. <i>Angewandte Chemie</i> , 2021 , 133, 2875-2879	3.6	4
180	A reduced-dimensional polar hybrid perovskite for self-powered broad-spectrum photodetection. <i>Chemical Science</i> , 2021 , 12, 3050-3054	9.4	2
179	An organic-inorganic hybrid birefringent material with diverse functional groups. <i>Chemical Communications</i> , 2021 , 57, 6668-6671	5.8	4
178	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	7.1	1
177	(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	6.8	7
176	Tailoring of a visible-light-absorbing biaxial ferroelectric towards broadband self-driven photodetection. <i>Nature Communications</i> , 2021 , 12, 284	17.4	27
175	A Nonlinear Optical Switchable Sulfate of Ultrawide Bandgap. <i>CCS Chemistry</i> , 2021 , 3, 2298-2306	7.2	13

174	A Metal-Free Molecular Antiferroelectric Material Showing High Phase Transition Temperatures and Large Electrocaloric Effects. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14379-14385	16.4	3
173	Monolayer-to-Multilayer Dimensionality Reconstruction in a Hybrid Perovskite for Exploring the Bulk Photovoltaic Effect Enables Passive X-ray Detection. <i>Angewandte Chemie</i> , 2021 , 133, 21138-21144	3.6	3
172	Realization of vis-NIR Dual-Modal Circularly Polarized Light Detection in Chiral Perovskite Bulk Crystals. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14077-14082	16.4	22
171	Non-Conjugated Deep-Ultraviolet Nonlinear Optical Crystal KZn(SO)(HSO)F. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8280-8284	6.4	4
170	Monolayer-to-Multilayer Dimensionality Reconstruction in a Hybrid Perovskite for Exploring the Bulk Photovoltaic Effect Enables Passive X-ray Detection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20970-20976	16.4	9
169	High-Curie Temperature Multilayered Hybrid Double Perovskite Photoferroelectrics Induced by Aromatic Cation Alloying. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15900-15906	16.4	9
168	2D van der Waals Layered [C(NH)]SOS Exhibits Desirable UV Nonlinear-Optical Trade-Off. <i>Inorganic Chemistry</i> , 2021 , 60, 14544-14549	5.1	4
167	Heterogeneous Integration of Chiral Lead-Chloride Perovskite Crystals with Si Wafer for Boosted Circularly Polarized Light Detection in Solar-Blind Ultraviolet Region. <i>Small</i> , 2021 , 17, e2102884	11	11
166	Spacer Cation Alloying of a Homoconformational Carboxylate Isomer to Boost in-Plane Ferroelectricity in a 2D Hybrid Perovskite. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2130-2137	16.4	35
165	Exploring a lead-free organic-inorganic semiconducting hybrid with above-room-temperature dielectric phase transition.. <i>RSC Advances</i> , 2020 , 10, 17492-17496	3.7	4
164	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	16.4	54
163	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	3.6	20
162	A chiral lead-free photoactive hybrid material with a narrow bandgap. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2770-2777	6.8	5
161	An Exceptional Peroxide Birefringent Material Resulting from d- π Interactions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9414-9417	16.4	30
160	Highly-Anisotropic Dion-Jacobson Hybrid Perovskite by Tailoring Diamine into CsPbBr for Polarization-Sensitive Photodetection. <i>Small</i> , 2020 , 16, e1907020	11	18
159	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	8.1	14
158	Designing a Deep-UV Nonlinear Optical Fluorooxosilicophosphate. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6472-6476	16.4	46
157	Halide Double Perovskite Ferroelectrics. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9305-9308	16.4	37

156	Solution-Grown Large-Sized Single-Crystalline 2D/3D Perovskite Heterostructure for Self-Powered Photodetection. <i>Advanced Optical Materials</i> , 2020 , 8, 2000311	8.1	11
155	(CHNI)AgBiI: a direct-bandgap layered double perovskite based on a short-chain spacer cation for light absorption. <i>Chemical Communications</i> , 2020 , 56, 3206-3209	5.8	32
154	[(N-AEPz)ZnCl]Cl: A "Green" Metal Halide Showing Highly Efficient Bluish-White-Light Emission. <i>Inorganic Chemistry</i> , 2020 , 59, 3527-3531	5.1	15
153	An Unprecedented Antimony(III) Borate with Strong Linear and Nonlinear Optical Responses. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7793-7796	16.4	70
152	Multilayered 2D Cesium-Based Hybrid Perovskite with Strong Polarization Sensitivity: Dimensional Reduction of CsPbBr. <i>Chemistry - A European Journal</i> , 2020 , 26, 3494-3498	4.8	9
151	A one-dimensional dual emissive hybrid perovskite with flexibly tunable white-light emission. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 6710-6714	7.1	18
150	Halide Double Perovskite Ferroelectrics. <i>Angewandte Chemie</i> , 2020 , 132, 9391-9394	3.6	6
149	A Multiaxial Layered Halide Double Perovskite Ferroelectric with Multiple Ferroic Orders. <i>Chemistry of Materials</i> , 2020 , 32, 8965-8970	9.6	14
148	A Potential Sn-Based Hybrid Perovskite Ferroelectric Semiconductor. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1159-1163	16.4	45
147	Exploiting the Bulk Photovoltaic Effect in a 2D Trilayered Hybrid Ferroelectric for Highly Sensitive Polarized Light Detection. <i>Angewandte Chemie</i> , 2020 , 132, 3961-3965	3.6	12
146	Exploiting the Bulk Photovoltaic Effect in a 2D Trilayered Hybrid Ferroelectric for Highly Sensitive Polarized Light Detection. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3933-3937	16.4	52
145	Trilayered Lead Chloride Perovskite Ferroelectric Affording Self-Powered Visible-Blind Ultraviolet Photodetection with Large Zero-Bias Photocurrent. <i>Journal of the American Chemical Society</i> , 2020 , 142, 55-59	16.4	47
144	Dimensional Reduction of Cs ₂ AgBiBr ₆ : A 2D Hybrid Double Perovskite with Strong Polarization Sensitivity. <i>Angewandte Chemie</i> , 2020 , 132, 3457-3461	3.6	15
143	Dimensional Reduction of Cs AgBiBr : A 2D Hybrid Double Perovskite with Strong Polarization Sensitivity. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3429-3433	16.4	42
142	Large-Area Exfoliated Lead-Free Perovskite-Derivative Single-Crystalline Membrane for Flexible Low-Defect Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9141-9149	9.5	23
141	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	3.6	4
140	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	16.4	34
139	Soft Perovskite-Type Antiferroelectric with Giant Electrocaloric Strength near Room Temperature. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20744-20751	16.4	15

138	Giant and Broadband Multiphoton Absorption Nonlinearities of a 2D Organometallic Perovskite Ferroelectric. <i>Advanced Materials</i> , 2020 , 32, e2002972	24	26
137	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	16.4	25
136	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	16.4	10
135	Exploiting two-dimensional hybrid perovskites incorporating secondary amines for high-performance array photodetection. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 12848-12853	7.1	8
134	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	3.6	17
133	An Uncommon Hypervalent Fluorooxosilicophosphate. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 4174-4178	4.5	3
132	Exploring Lead-Free Hybrid Double Perovskite Crystals of (BA) CsAgBiBr with Large Mobility-Lifetime Product toward X-Ray Detection. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15757-15761	16.4	88
131	Two-Dimensional Hybrid Perovskite-Type Ferroelectric for Highly Polarization-Sensitive Shortwave Photodetection. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2623-2629	16.4	164
130	Successive near-room-temperature dielectric phase transitions in a lead-free hybrid perovskite-like compound. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 233-237	6.8	3
129	Structural phase transition and dielectric anisotropy properties of a lead-free organic/inorganic hybrid. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1761-1766	6.8	7
128	Near-room-temperature tunable dielectric response induced by dual phase transitions in a lead-free hybrid: (C ₃ H ₈ N) ₂ SbBr ₅ . <i>CrystEngComm</i> , 2019 , 21, 3740-3744	3.3	5
127	An Unprecedented Biaxial Trilayered Hybrid Perovskite Ferroelectric with Directionally Tunable Photovoltaic Effects. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7693-7697	16.4	103
126	Exploration of Chiral Organic-Inorganic Hybrid Semiconducting Lead Halides. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2273-2277	4.5	17
125	Two Heteromorphic Crystals of Antimony-Based Hybrids Showing Tunable Optical Band Gaps and Distinct Photoelectric Responses. <i>Inorganic Chemistry</i> , 2019 , 58, 6544-6549	5.1	15
124	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	8.1	32
123	Polarization-Driven Self-Powered Photodetection in a Single-Phase Biaxial Hybrid Perovskite Ferroelectric. <i>Angewandte Chemie</i> , 2019 , 131, 14646-14650	3.6	16
122	Polarization-Driven Self-Powered Photodetection in a Single-Phase Biaxial Hybrid Perovskite Ferroelectric. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14504-14508	16.4	68
121	Highly Oriented Thin Films of 2D Ruddlesden-Popper Hybrid Perovskite toward Superfast Response Photodetectors. <i>Small</i> , 2019 , 15, e1901194	11	18

120	A Lead-Free Hybrid Iodide with Quantitative Response to X-ray Radiation. <i>Chemistry of Materials</i> , 2019 , 31, 5927-5932	9.6	40
119	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	16.4	30
118	High-Temperature Antiferroelectric of Lead Iodide Hybrid Perovskites. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12470-12474	16.4	68
117	Structural Origin of Thermally Induced Second Harmonic Generation Enhancement in RbNaMgP2O7. <i>Chemistry of Materials</i> , 2019 , 31, 9843-9849	9.6	9
116	Intrinsic Strong Linear Dichroism of Multilayered 2D Hybrid Perovskite Crystals toward Highly Polarized-Sensitive Photodetection. <i>Advanced Optical Materials</i> , 2019 , 7, 1901049	8.1	22
115	Discovery of an Above-Room-Temperature Antiferroelectric in Two-Dimensional Hybrid Perovskite. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3812-3816	16.4	52
114	Two Non- π Conjugated Deep-UV Nonlinear Optical Sulfates. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3833-3837	16.4	107
113	Tunable optical absorption in lead-free perovskite-like hybrids by iodide management. <i>Chemical Communications</i> , 2019 , 55, 14174-14177	5.8	15
112	Rational chemical doping of metal halide perovskites. <i>Chemical Society Reviews</i> , 2019 , 48, 517-539	58.5	130
111	[C H N]SnCl : 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	4.8	23
110	The First 2D Hybrid Perovskite Ferroelectric Showing Broadband White-Light Emission with High Color Rendering Index. <i>Advanced Functional Materials</i> , 2019 , 29, 1805038	15.6	78
109	Abrupt Structural Transformation in Asymmetric ABPOF (A = K, Rb, Cs). <i>Inorganic Chemistry</i> , 2019 , 58, 1733-1737	5.1	11
108	A beryllium-free deep-UV nonlinear optical material CsNaMgP2O7 with honeycomb-like topological layers. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3910-3916	7.1	35
107	A lead-free perovskite-like hybrid with above-room-temperature switching of quadratic nonlinear optical properties. <i>Chemical Communications</i> , 2018 , 54, 5614-5617	5.8	28
106	The role of cations in second-order nonlinear optical materials based on π conjugated [BO3]3 π groups. <i>Coordination Chemistry Reviews</i> , 2018 , 366, 1-28	23.2	93
105	[C6H14N]PbI3: 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	6.8	35
104	Inch-Size Single Crystal of a Lead-Free Organic-Inorganic Hybrid Perovskite for High-Performance Photodetector. <i>Advanced Functional Materials</i> , 2018 , 28, 1705467	15.6	108
103	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	7.1	19

102	Non-Centrosymmetric RbNaMgPO with Unprecedented Thermo-Induced Enhancement of Second Harmonic Generation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1592-1595	16.4	134
101	Crystal Growth and Optical Properties of Beryllium-Free Nonlinear Optical Crystal K ₃ Ba ₃ Li ₂ Al ₄ B ₆ O ₂₀ F. <i>Crystal Growth and Design</i> , 2018 , 18, 1168-1172	3.5	14
100	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	7.1	59
99	White-light emission in a chiral one-dimensional organic-inorganic hybrid perovskite. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6033-6037	7.1	96
98	Mixing Halogens To Assemble an All-Inorganic Layered Perovskite with Warm White-Light Emission. <i>Chemistry - A European Journal</i> , 2018 , 24, 9243-9246	4.8	10
97	(CHN)BiI ₃ : A One-Dimensional Lead-Free Perovskite-Derivative Photoconductive Light Absorber. <i>Inorganic Chemistry</i> , 2018 , 57, 4239-4243	5.1	59
96	[C ₂ H ₅ N] ₂ PbBr ₂ : An ABX ₃ -Type Semiconducting Perovskite Hybrid with Above-Room-Temperature Phase Transition. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 982-988	4.5	18
95	Highly efficient white-light emission in a polar two-dimensional hybrid perovskite. <i>Chemical Communications</i> , 2018 , 54, 4053-4056	5.8	63
94	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	7.1	19
93	Triethylammonium picrate: An above-room-temperature phase transition material to switch quadratic nonlinear optical properties. <i>Chinese Chemical Letters</i> , 2018 , 29, 285-288	8.1	29
92	Above-room-temperature switching of quadratic nonlinear optical properties in a Bi ₂ Se ₃ /Bi ₂ Te ₃ bilayered organic-inorganic hybrid. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9532-9536	7.1	20
91	(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	6.8	9
90	Alloying n-Butylamine into CsPbBr ₃ To Give a Two-Dimensional Bilayered Perovskite Ferroelectric Material. <i>Angewandte Chemie</i> , 2018 , 130, 8272-8275	3.6	23
89	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	16.4	97
88	A Molecular Ferroelectric Showing Room-Temperature Record-Fast Switching of Spontaneous Polarization. <i>Angewandte Chemie</i> , 2018 , 130, 9981-9985	3.6	10
87	A Molecular Ferroelectric Showing Room-Temperature Record-Fast Switching of Spontaneous Polarization. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9833-9837	16.4	21
86	An optoelectronic double bistable phosphate with ultrahigh thermal stability. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 388-392	7.1	3
85	Nonlinear Optical Crystal Rb ₄ Sn ₃ Cl ₂ Br ₈ : Synthesis, Structure, and Characterization. <i>Crystal Growth and Design</i> , 2018 , 18, 380-385	3.5	14

84	A new antimony-based organic/inorganic hybrid absorber with photoconductive response. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 3028-3032	6.8	7
83	Li ₈ NaRb ₃ (SO ₄) ₆ ·2H ₂ O as a new sulfate deep-ultraviolet nonlinear optical material. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12240-12244	7.1	42
82	Rational design of a triiodide-intercalated dielectric-switching hybrid for visible-light absorption. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12170-12174	7.1	10
81	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	7.1	31
80	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	3.5	19
79	A Langbeinite-Type Yttrium Phosphate LiCsY(PO). <i>Inorganic Chemistry</i> , 2018 , 57, 13087-13091	5.1	17
78	Physical Properties of a Promising Nonlinear Optical Crystal K ₃ Ba ₃ Li ₂ Al ₄ B ₆ O ₂₀ F. <i>Crystal Growth and Design</i> , 2018 , 18, 7368-7372	3.5	5
77	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	7.1	18
76	Bilayered Hybrid Perovskite Ferroelectric with Giant Two-Photon Absorption. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6806-6809	16.4	131
75	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	8.3	55
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67	Exceptional bi-step switching of quadratic nonlinear optical properties in a one-dimensional channel compound. <i>Chemical Communications</i> , 2017 , 53, 7669-7672	5.8	16

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57	A new phase-matchable nonlinear optical silicate: Rb ₂ ZnSi ₃ O ₈ . <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11025-11029	7.1	13
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54	Tailored Engineering of an Unusual (C ₄ H ₉ NH ₃) ₂ (CH ₃ NH ₃) ₂ Pb ₃ Br ₁₀ Two-Dimensional Multilayered Perovskite Ferroelectric for a High-Performance Photodetector. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12150-12154	16.4	182
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50	Rational Design and Syntheses of Molecular Phase Transition Crystal Materials. <i>Crystal Growth and Design</i> , 2016 , 16, 6685-6695	3.5	16
49	Deep-Ultraviolet Transparent Cs ₂ LiPO ₄ Exhibits an Unprecedented Second Harmonic Generation. <i>Chemistry of Materials</i> , 2016 , 28, 7110-7116	9.6	92

48	Integration of metal-organic frameworks into an electrochemical dielectric thin film for electronic applications. <i>Nature Communications</i> , 2016 , 7, 11830	17.4	75
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45	A Photoferroelectric Perovskite-Type Organometallic Halide with Exceptional Anisotropy of Bulk Photovoltaic Effects. <i>Angewandte Chemie</i> , 2016 , 128, 6655-6660	3.6	35
44	An organic-inorganic hybrid co-crystal complex as a high-performance solid-state nonlinear optical switch. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 266-271	7.1	38
43	Dibenzylammonium trichloroacetate: an above-room-temperature order-disorder switchable dielectric material. <i>CrystEngComm</i> , 2016 , 18, 3606-3611	3.3	14
42	Designing a Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material without a Structural Instability Problem. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2961-4	16.4	185
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30	A host-guest inclusion compound for reversible switching of quadratic nonlinear optical properties. <i>Chemical Communications</i> , 2015 , 51, 2298-300	5.8	59
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28	The role of dipole moment in determining the nonlinear optical behavior of materials: ab initio studies on quaternary molybdenum tellurite crystals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 530-537	7.1	52
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