

# Heng-Yun Ye

## List of Publications by Year in descending order

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48  
papers

5,209  
citations

230014

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48  
docs citations

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times ranked

4130  
citing authors

#	ARTICLE	IF	CITATIONS
1	H/F Substitution Induced Large Increase of $T_c$ in a 3D Hybrid Rare-Earth Double Perovskite Multifunctional Compound. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	10
2	Structural phase transition in a charge-transfer compound: tropylium hexafluoroantimonate(V)-1,4-dimethylnaphthalene (1/1). <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2022, 78, 366-370.	0.2	1
3	Metal-dependent structural phase transition and dielectric response in two organic-inorganic hybrids of $[C_4H_{10}N]_2[SbCl_5]$ and $[C_4H_{10}N]_3[BiCl_6]$ . <i>Inorganic Chemistry Communication</i> , 2022, 142, 109641.	1.8	6
4	An organic-inorganic hybrid double perovskite-type cage-like crystal $(MA)_2KBiCl_6$ (MA = methylammonium cation) with dielectric switching behavior. <i>Materials Advances</i> , 2021, 2, 7431-7436.	2.6	2
5	Temperature-Induced Reversible Phase Transition with Switchable Dielectric Response in a A <sub>2</sub> BX <sub>4</sub> -Type Hybrid Compound: $[TEAMA]_2[CdBr_4]$ (TEAMA=(CH <sub>3</sub> CH <sub>2</sub> ) <sub>3</sub> NCH <sub>3</sub> ). <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 597-600.	1.0	2
6	Centimeter-Sized Single Crystals of Two-Dimensional Hybrid Iodide Double Perovskite $(4,4\text{-difluoropiperidinium})_4AgBi_8$ for High-Temperature Ferroelectricity and Efficient X-Ray Detection. <i>Advanced Functional Materials</i> , 2021, 31, 2009457.	7.8	121
7	Hybrid Organic-Inorganic Antiperovskites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 167-171.	7.2	20
8	Two-Dimensional Organic-Inorganic Hybrid Rare-Earth Double Perovskite Ferroelectrics. <i>Journal of the American Chemical Society</i> , 2020, 142, 545-551.	6.6	178
9	Hybrid Organic-Inorganic Antiperovskites. <i>Angewandte Chemie</i> , 2020, 132, 173-177.	1.6	6
10	Reversible Mechanochromic Luminescence of Tetranuclear Cuprous Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 17213-17223.	1.9	29
11	Nonlinear Optical and Photoluminescence Bistable Responses Accompanied by Tunable Dielectric Behaviors in Crown Inclusions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5796-5801.	1.5	14
12	Large Piezoelectric Response in Hybrid Rare-Earth Double Perovskite Relaxor Ferroelectrics. <i>Journal of the American Chemical Society</i> , 2020, 142, 9634-9641.	6.6	69
13	Temperature-Triggered Switchable Dielectric Constants in Zinc-Based Hybrid Organic-Inorganic Compounds: $(C_3H_6NH_2)_2[ZnX_4]$ (X = Cl) <i>J. Inorg. Nucl. Chem.</i> 2021, 481, 119743	1.0	14
14	Sequential Phase Transitions with Switchable Dielectric Constant in a Metal-Free Ionic Crystal. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2443-2447.	1.0	7
15	$(H_2dabco)[Na(BF_4)_3]$ : an ABX <sub>3</sub> -type inorganic-organic hybrid perovskite compound exhibiting dielectric switching above room-temperature. <i>CrystEngComm</i> , 2019, 21, 7043-7047.	1.3	14
16	$[C_7H_{14}NO][ClO_4]$ : order-disorder structural change induced sudden switchable dielectric behaviour at room temperature. <i>CrystEngComm</i> , 2018, 20, 7058-7061.	1.3	11
17	High quantum yield and unusual photoluminescence behaviour in tetrahedral manganese(II) based on hybrid compounds. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2615-2619.	3.0	51
18	Metal-free three-dimensional perovskite ferroelectrics. <i>Science</i> , 2018, 361, 151-155.	6.0	570

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19	A Three-Dimensional Molecular Perovskite Ferroelectric: (3-Ammoniopyrrolidinium)RbBr <sub>3</sub> . Journal of the American Chemical Society, 2017, 139, 3954-3957.	6.6	153
20	Tunable Dielectric Responses Triggered by Dimensionality Modification in Organic-Inorganic Hybrid Phase Transition Compounds (C <sub>5</sub> H <sub>6</sub> N)Cd <sub>2</sub> Cl <sub>2+1</sub> ( <i>n</i> = 1 and 2). Inorganic Chemistry, 2017, 56, 3506-3511.	1.9	22
21	Unprecedented Ferroelectric-Antiferroelectric-Paraelectric Phase Transitions Discovered in an Organic-Inorganic Hybrid Perovskite. Journal of the American Chemical Society, 2017, 139, 8752-8757.	6.6	105
22	Phase Transition and Photoluminescence Properties of a Hybrid Layered Perovskite: Bis[(cyclohexylmethyl)ammonium] Tetrabromidolead(II). European Journal of Inorganic Chemistry, 2017, 2017, 938-942.	1.0	21
23	Notable Broad Dielectric Relaxation and Highly Efficient Red Photoluminescence in a Perovskite-Type Compound: (N-Methylpyrrolidinium)MnCl <sub>3</sub> . Inorganic Chemistry, 2017, 56, 12193-12198.	1.9	45
24	A Multiaxial Molecular Ferroelectric with Highest Curie Temperature and Fastest Polarization Switching. Journal of the American Chemical Society, 2017, 139, 13903-13908.	6.6	92
25	Precise Molecular Design of High-T <sub>c</sub> 3D Organic-Inorganic Perovskite Ferroelectric: [MeHdabco]RbI <sub>3</sub> (MeHdabco =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 Td (N-Methyl-1,4-diazabicyclo[2.2.2]octane). Dalton Transactions, 2017, 2017, 10897-10902.	6.6	190
26	An organic-inorganic perovskite ferroelectric with large piezoelectric response. Science, 2017, 357, 306-309.	6.0	744
27	Modulating molecular structures and dielectric transitions in organic-inorganic hybrid crystals. RSC Advances, 2017, 7, 52024-52029.	1.7	3
28	Structure-Triggered High Quantum Yield Luminescence and Switchable Dielectric Properties in Manganese(II) Based Hybrid Compounds. Chemistry - an Asian Journal, 2016, 11, 981-985.	1.7	49
29	Molecular Ferroelectric with Most Equivalent Polarization Directions Induced by the Plastic Phase Transition. Journal of the American Chemical Society, 2016, 138, 13175-13178.	6.6	125
30	One-dimensional supramolecular columnar structure of trans-syn-trans-dicyclohexano[18]crown-6 and organic ammonium cations. CrystEngComm, 2016, 18, 7959-7964.	1.3	16
31	Anomalous rotary polarization discovered in homochiral organic ferroelectrics. Nature Communications, 2016, 7, 13635.	5.8	129
32	Bandgap Engineering of Lead-Halide Perovskite-Type Ferroelectrics. Advanced Materials, 2016, 28, 2579-2586.	11.1	298
33	Design and Prominent Dielectric Properties of a Layered Phase-Transition Crystal: (Cyclohexylmethylammonium) <sub>2</sub> CdCl <sub>4</sub> . Crystal Growth and Design, 2016, 16, 3912-3916.	1.4	24
34	Structural characterization, phase transition and switchable dielectric behaviors in a new zigzag chain organic-inorganic hybrid compound: [C <sub>3</sub> H <sub>7</sub> NH <sub>3</sub> ] <sub>2</sub> SbI <sub>5</sub> . Dalton Transactions, 2016, 45, 5229-5233.	1.6	30
35	A high-temperature supramolecular-based switchable dielectric material with electrical bistability between high and low dielectric states. CrystEngComm, 2015, 17, 2479-2485.	1.3	15
36	A lead-halide perovskite molecular ferroelectric semiconductor. Nature Communications, 2015, 6, 7338.	5.8	538

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37	Phase transitions and dielectric properties of a hexagonal ABX <sub>3</sub> perovskite-type organic-inorganic hybrid compound: [C <sub>3</sub> H <sub>4</sub> NS][CdBr <sub>3</sub> ]. Dalton Transactions, 2015, 44, 10614-10620.	1.6	60
38	High-Temperature Ferroelectricity and Photoluminescence in a Hybrid Organic-Inorganic Compound: (3-Pyrrolinium)MnCl <sub>3</sub> . Journal of the American Chemical Society, 2015, 137, 13148-13154.	6.6	246
39	An Order-Disorder Ferroelectric Host-Guest Inclusion Compound. Angewandte Chemie - International Edition, 2014, 53, 2114-2118.	7.2	126
40	A Molecular Ferroelectric Thin Film of Imidazolium Perchlorate That Shows Superior Electromechanical Coupling. Angewandte Chemie - International Edition, 2014, 53, 5064-5068.	7.2	103
41	A Displacive-Type Metal Crown Ether Ferroelectric Compound: Ca(NO <sub>3</sub> ) <sub>2</sub> (15-crown-5). Angewandte Chemie - International Edition, 2014, 53, 6724-6729.	7.2	65
42	Switchable Dielectric, Piezoelectric, and Second-Harmonic Generation Bistability in a New Improper Ferroelectric above Room Temperature. Advanced Materials, 2014, 26, 4515-4520.	11.1	146
43	Room-temperature ABX <sub>3</sub> -typed molecular ferroelectric: [C <sub>5</sub> H <sub>9</sub> NH <sub>3</sub> ][CdCl <sub>3</sub> ]. Inorganic Chemistry Frontiers, 2014, 1, 118.	3.0	110
44	Solid State Molecular Dynamic Investigation of An Inclusion Ferroelectric: [(2,6-Diisopropylanilinium)([18]crown-6)]BF <sub>4</sub> . Journal of the American Chemical Society, 2014, 136, 10033-10040.	6.6	144
45	An Above-Room-Temperature Ferroelectric Organo-Metal Halide Perovskite: (3-Pyrrolinium)(CdCl <sub>3</sub> ). Angewandte Chemie - International Edition, 2014, 53, 11242-11247.	7.2	160
46	Iso-structural phase transition in tetramethylammonium nickel(II) nitrite [(CH <sub>3</sub> ) <sub>4</sub> N][Ni(NO <sub>2</sub> ) <sub>3</sub> ]. Chinese Chemical Letters, 2014, 25, 844-848.	4.8	20
47	Tunable and Switchable Dielectric Constant in an Amphidynamic Crystal. Journal of the American Chemical Society, 2013, 135, 5230-5233.	6.6	307
48	Structural phase transition and switchable dielectric behaviour of a one-dimensional chain niobium oxyfluoride. CrystEngComm, 0, , .	1.3	0