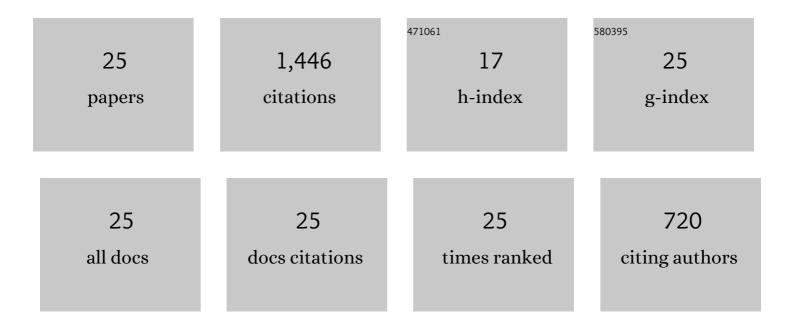
Zhi-Xu Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	H/F Substitution induced switchable coordination bonds in a cyano-bridged hybrid double perovskite ferroelastic. Chemical Communications, 2022, 58, 3059-3062.	2.2	27
2	The construction of a two-dimensional organic–inorganic hybrid double perovskite ferroelastic with a high <i>T</i> _c and narrow band gap. Chemical Science, 2022, 13, 4794-4800.	3.7	46
3	Dehydration-activated structural phase transition in a two-dimensional hybrid double perovskite. Dalton Transactions, 2022, 51, 7783-7789.	1.6	10
4	Mechanochemistry enables optical-electrical multifunctional response and tunability in two-dimensional hybrid perovskites. Science China Materials, 2021, 64, 706-716.	3.5	40
5	A multiaxial lead-free two-dimensional organic-inorganic perovskite ferroelectric. National Science Review, 2021, 8, nwaa232.	4.6	57
6	Large Electrostrictive Coefficient in a Two-Dimensional Hybrid Perovskite Ferroelectric. Journal of the American Chemical Society, 2021, 143, 1664-1672.	6.6	106
7	A-site cation with high vibrational motion in ABX ₃ perovskite effectively induces dielectric phase transition. Dalton Transactions, 2021, 50, 3841-3847.	1.6	15
8	Record Enhancement of Curie Temperature in Host–Guest Inclusion Ferroelectrics. Journal of the American Chemical Society, 2021, 143, 5091-5098.	6.6	66
9	Ferroelastic Hybrid Bismuth Bromides with Dual Dielectric Switches. Chemistry of Materials, 2021, 33, 5790-5799.	3.2	47
10	In Situ Observation of Ferroelastic Domain and Phase Transition in a Threeâ€Dimensional Molecular Crystal. Chemistry - A European Journal, 2021, 27, 17655-17659.	1.7	9
11	Piezoelectric Energy Harvesting Based on Multiaxial Ferroelectrics by Precise Molecular Design. Matter, 2020, 2, 697-710.	5.0	101
12	Two-Dimensional Layered Perovskite Ferroelectric with Giant Piezoelectric Voltage Coefficient. Journal of the American Chemical Society, 2020, 142, 1077-1082.	6.6	166
13	Methylphosphonium Tin Bromide: A 3D Perovskite Molecular Ferroelectric Semiconductor. Advanced Materials, 2020, 32, e2005213.	11.1	66
14	Organometallic-Based Hybrid Perovskite Piezoelectrics with a Narrow Band Gap. Journal of the American Chemical Society, 2020, 142, 17787-17794.	6.6	83
15	Two-Dimensional Hybrid Perovskite Ferroelectric Induced by Perfluorinated Substitution. Journal of the American Chemical Society, 2020, 142, 20208-20215.	6.6	96
16	Regulated molecular rotor in phase transition materials with switchable dielectric and SHG effect. Materials Chemistry Frontiers, 2020, 4, 3003-3012.	3.2	16
17	Methylation Design Strategy to Trigger a Dual Dielectric Switch and Improve the Phase Transition Temperature. Inorganic Chemistry, 2020, 59, 16635-16643.	1.9	6
18	Confinement-Driven Ferroelectricity in a Two-Dimensional Hybrid Lead Iodide Perovskite. Journal of the American Chemical Society, 2020, 142, 10212-10218.	6.6	113

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#	Article	IF	CITATIONS
19	Unique Design Strategy for Dual Phase Transition That Successfully Validates Dual Switch Implementation in the Dielectric Material. Inorganic Chemistry, 2020, 59, 4720-4728.	1.9	16
20	Exploring high-performance integration in a plastic crystal/film with switching and semiconducting behavior. Inorganic Chemistry Frontiers, 2020, 7, 1239-1249.	3.0	14
21	Observation of Vortex Domains in a Two-Dimensional Lead Iodide Perovskite Ferroelectric. Journal of the American Chemical Society, 2020, 142, 4925-4931.	6.6	153
22	Bistable State of Protons for Low-Voltage Memories. Journal of the American Chemical Society, 2020, 142, 9000-9006.	6.6	41
23	A Chiral Thermochromic Ferroelastic with Seven Physical Channel Switches. Angewandte Chemie - International Edition, 2020, 59, 9574-9578.	7.2	106
24	Anion-Regulated Molecular Rotor Crystal: The First Case of a Stator–Rotator Double Switch with Relaxation Behavior. Journal of Physical Chemistry Letters, 2019, 10, 4237-4244.	2.1	30
25	Higher-Temperature Dielectric Molecular Motor Induced by Unusual Chair-to-Rotator Motion. Inorganic Chemistry, 2019, 58, 4600-4608.	1.9	16