

Zhi-Xu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,446
citations

471061

17
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

720
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Layered Perovskite Ferroelectric with Giant Piezoelectric Voltage Coefficient. <i>Journal of the American Chemical Society</i> , 2020, 142, 1077-1082.	6.6	166
2	Observation of Vortex Domains in a Two-Dimensional Lead Iodide Perovskite Ferroelectric. <i>Journal of the American Chemical Society</i> , 2020, 142, 4925-4931.	6.6	153
3	Confinement-Driven Ferroelectricity in a Two-Dimensional Hybrid Lead Iodide Perovskite. <i>Journal of the American Chemical Society</i> , 2020, 142, 10212-10218.	6.6	113
4	A Chiral Thermochromic Ferroelastic with Seven Physical Channel Switches. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9574-9578.	7.2	106
5	Large Electrostrictive Coefficient in a Two-Dimensional Hybrid Perovskite Ferroelectric. <i>Journal of the American Chemical Society</i> , 2021, 143, 1664-1672.	6.6	106
6	Piezoelectric Energy Harvesting Based on Multiaxial Ferroelectrics by Precise Molecular Design. <i>Matter</i> , 2020, 2, 697-710.	5.0	101
7	Two-Dimensional Hybrid Perovskite Ferroelectric Induced by Perfluorinated Substitution. <i>Journal of the American Chemical Society</i> , 2020, 142, 20208-20215.	6.6	96
8	Organometallic-Based Hybrid Perovskite Piezoelectrics with a Narrow Band Gap. <i>Journal of the American Chemical Society</i> , 2020, 142, 17787-17794.	6.6	83
9	Methylphosphonium Tin Bromide: A 3D Perovskite Molecular Ferroelectric Semiconductor. <i>Advanced Materials</i> , 2020, 32, e2005213.	11.1	66
10	Record Enhancement of Curie Temperature in Host-Guest Inclusion Ferroelectrics. <i>Journal of the American Chemical Society</i> , 2021, 143, 5091-5098.	6.6	66
11	A multiaxial lead-free two-dimensional organic-inorganic perovskite ferroelectric. <i>National Science Review</i> , 2021, 8, nwaa232.	4.6	57
12	Ferroelastic Hybrid Bismuth Bromides with Dual Dielectric Switches. <i>Chemistry of Materials</i> , 2021, 33, 5790-5799.	3.2	47
13	The construction of a two-dimensional organic-inorganic hybrid double perovskite ferroelastic with a high T_c and narrow band gap. <i>Chemical Science</i> , 2022, 13, 4794-4800.	3.7	46
14	Bistable State of Protons for Low-Voltage Memories. <i>Journal of the American Chemical Society</i> , 2020, 142, 9000-9006.	6.6	41
15	Mechanochemistry enables optical-electrical multifunctional response and tunability in two-dimensional hybrid perovskites. <i>Science China Materials</i> , 2021, 64, 706-716.	3.5	40
16	Anion-Regulated Molecular Rotor Crystal: The First Case of a Stator-Rotator Double Switch with Relaxation Behavior. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4237-4244.	2.1	30
17	H/F Substitution induced switchable coordination bonds in a cyano-bridged hybrid double perovskite ferroelastic. <i>Chemical Communications</i> , 2022, 58, 3059-3062.	2.2	27
18	Higher-Temperature Dielectric Molecular Motor Induced by Unusual Chair-to-Rotator Motion. <i>Inorganic Chemistry</i> , 2019, 58, 4600-4608.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Regulated molecular rotor in phase transition materials with switchable dielectric and SHG effect. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3003-3012.	3.2	16
20	Unique Design Strategy for Dual Phase Transition That Successfully Validates Dual Switch Implementation in the Dielectric Material. <i>Inorganic Chemistry</i> , 2020, 59, 4720-4728.	1.9	16
21	A-site cation with high vibrational motion in ABX ₃ perovskite effectively induces dielectric phase transition. <i>Dalton Transactions</i> , 2021, 50, 3841-3847.	1.6	15
22	Exploring high-performance integration in a plastic crystal/film with switching and semiconducting behavior. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1239-1249.	3.0	14
23	Dehydration-activated structural phase transition in a two-dimensional hybrid double perovskite. <i>Dalton Transactions</i> , 2022, 51, 7783-7789.	1.6	10
24	In Situ Observation of Ferroelastic Domain and Phase Transition in a Three-Dimensional Molecular Crystal. <i>Chemistry - A European Journal</i> , 2021, 27, 17655-17659.	1.7	9
25	Methylation Design Strategy to Trigger a Dual Dielectric Switch and Improve the Phase Transition Temperature. <i>Inorganic Chemistry</i> , 2020, 59, 16635-16643.	1.9	6