

# Zhong-Xia Wang

## List of Publications by Year in descending order

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56  
papers

2,496  
citations

293460

24  
h-index

223390

49  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2284  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highest- <i>T<sub>c</sub></i> single-component homochiral organic ferroelectrics. <i>Chemical Science</i> , 2022, 13, 657-664.	3.7	14
2	The first salicylaldehyde Schiff base organic–inorganic hybrid lead iodide perovskite ferroelectric. <i>Chemical Communications</i> , 2022, 58, 2192-2195.	2.2	7
3	A Photochromic Organic–Inorganic Hybrid Schiff Base Metal Halide Ferroelectric. <i>Chemistry of Materials</i> , 2022, 34, 1737-1745.	3.2	10
4	Domain memory effect in the organic ferroics. <i>Nature Communications</i> , 2022, 13, 2379.	5.8	17
5	A high- <i>T<sub>c</sub></i> organic-ionic phase transition crystal obtained from a trivalent cation. <i>CrystEngComm</i> , 2021, 23, 264-267.	1.3	1
6	Homochiral one-dimensional ABX <sub>3</sub> lead halide perovskites with high- <i>T<sub>c</sub></i> quadratic nonlinear optical and dielectric switchings. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4756-4763.	3.2	36
7	Unprecedented 2D Homochiral Hybrid Lead–Iodide Perovskite Thermochromic Ferroelectrics with Ferroelastic Switching. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10730-10735.	7.2	89
8	Unprecedented 2D Homochiral Hybrid Lead–Iodide Perovskite Thermochromic Ferroelectrics with Ferroelastic Switching. <i>Angewandte Chemie</i> , 2021, 133, 10825-10830.	1.6	13
9	A Photoluminescent Lead Bromide Hybrid Perovskite Molecular Ferroelastic Semiconductor with Sequential High- <i>T<sub>c</sub></i> Phase Transitions. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5221-5227.	2.1	18
10	Evident Dielectric Relaxation in an Organic–Inorganic Halide Perovskite. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2749-2754.	1.0	6
11	Lipophilic Ga Complex with Broad-Spectrum Antimicrobial Activity and the Ability to Overcome Gallium Resistance in both <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>Journal of Medicinal Chemistry</i> , 2021, 64, 9381-9388.	2.9	17
12	Salicylideneaniline is a Photoswitchable Ferroelectric Crystal. <i>Chemistry - A European Journal</i> , 2021, 27, 14831-14835.	1.7	17
13	Competing hydrogen-bonding interactions in a high- <i>T<sub>c</sub></i> organic molecular-ionic crystal with evident nonlinear optical response. <i>CrystEngComm</i> , 2021, 23, 2509-2512.	1.3	1
14	Room-temperature dielectric switching in a host–guest crown ether inclusion complex. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4896-4902.	3.0	15
15	Tuning Dielectric Transitions in Two-Dimensional Organic–Inorganic Hybrid Lead Halide Perovskites. <i>Inorganic Chemistry</i> , 2021, 60, 16871-16877.	1.9	18
16	H/F substitution for advanced molecular ferroelectrics. <i>Trends in Chemistry</i> , 2021, 3, 1088-1099.	4.4	48
17	Optically Induced Ferroelectric Polarization Switching in a Molecular Ferroelectric with Reversible Photoisomerization. <i>Advanced Science</i> , 2021, 8, e2102614.	5.6	31
18	Metal–organic ferroelectric complexes: enantiomer directional induction achieved above-room-temperature homochiral molecular ferroelectrics. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 128-133.	3.0	8

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19	Superior Transverse Piezoelectricity in a Halide Perovskite Molecular Ferroelectric Thin Film. <i>Journal of the American Chemical Society</i> , 2020, 142, 12857-12864.	6.6	48
20	Harnessing iron-oxide nanoparticles towards the improved bactericidal activity of macrophage against <i>Staphylococcus aureus</i> . <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102158.	1.7	15
21	The distinguishing of <i>cis</i> – <i>trans</i> isomers enabled <i>via</i> dielectric/ferroelectric signal feedback in a supramolecular Cu(1,10-phenanthroline) <sub>2</sub> SeO <sub>4</sub> ·A·(diol) system. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11022-11028.	2.7	9
22	High-Temperature Dielectric Switching and Photoluminescence in a Corrugated Lead Bromide Layer Hybrid Perovskite Semiconductor. <i>Inorganic Chemistry</i> , 2019, 58, 10357-10363.	1.9	43
23	H/Fa€Substitutiona€Induced Homochirality for Designing HighT</sub>c</sub> Molecular Perovskite Ferroelectrics. <i>Advanced Materials</i> , 2019, 31, e1902163.	11.1	117
24	The First 2D Homochiral Lead Iodide Perovskite Ferroelectrics: [R</sup>and</sup>S</sup>1a€(4a€Chlorophenyl)ethylammonium]<sub>2</sub>PbI<sub>4</sub>. <i>Advanced Materials</i> , 2019, 31, 11.1 e1808088.	11.1	268
25	Fluoridation Achieved Antiperovskite Molecular Ferroelectric in [(CH<sub>3</sub>)<sub>2</sub>(F-CH<sub>2</sub>CH<sub>2</sub>)NH<sub>3</sub>(CdCl<sub>3</sub>)(CdCl<sub>4</sub>)] <i>Journal of the American Chemical Society</i> , 2019, 141, 4372-4378.		
26	Tunable dielectric transitions in layered organica€inorganic hybrid perovskite-type compounds: [NH<sub>3</sub>(CH<sub>2</sub>)<sub>2</sub>Cl]<sub>2</sub>[CdCl<sub>4</sub>]x<sub>4</sub>Br<sub>x</sub>] (<i>x</i> = 0, 1/4, 1). <i>Dalton Transactions</i> , 2018, 47, 7005-7012.	1.6	14
27	KCa(H<sub>2</sub>O)<sub>2</sub>[Fe<sup>III</sup>(CN)<sub>6</sub>]a€...H<sub>2</sub>O Nanoparticles as an Antimicrobial Agent against <i>Staphylococcus aureus</i> . <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2214-2218.	7.2	14
28	High quantum yield and unusual photoluminescence behaviour in tetrahedral manganese(<sup>ii</sup>) based on hybrid compounds. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2615-2619.	3.0	51
29	Unusual high-temperature reversible phase transition containing dielectric and nonlinear optical switches in hosta€guest supramolecular crown ether clathrates. <i>Chemical Communications</i> , 2018, 54, 8076-8079.	2.2	26
30	Picomolar Level Detection of Copper(II) and Mercury(II) Ions Using Dual-Stabilizer-Capped CdTe Quantum Dots. <i>Journal of Analysis and Testing</i> , 2018, 2, 90-97.	2.5	2
31	High temperature structural phase transition and dielectric relaxation in an organica€inorganic hybrid compound: (4-methylpiperidinium)CdCl<sub>3</sub>. <i>CrystEngComm</i> , 2017, 19, 1896-1901.	1.3	22
32	High-temperature structural phase transition coupled with dielectric switching in an organica€inorganic hybrid crystal: [NH<sub>3</sub>(CH<sub>2</sub>)<sub>2</sub>Br]<sub>3</sub>CdBr<sub>5</sub>. <i>Dalton Transactions</i> , 2017, 46, 4711-4716.	1.6	20
33	Tunable Dielectric Responses Triggered by Dimensionality Modification in Organica€Inorganic Hybrid Phase Transition Compounds (C<sub>5</sub>H<sub>6</sub>N)Cd<sub>n</sub>Cl<sub>2</sub>n+1</sub> (<i>n</i> = 1 and 2). <i>Inorganic Chemistry</i> , 2017, 56, 3506-3511.	1.9	22
34	Prominent dielectric transitions in layered organica€inorganic hybrids: (isoamyl-ammonium)<sub>2</sub>CdX<sub>4</sub> (X = Cl and Br). <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1330-1336.	3.0	13
35	Controllable Structures Designed with Multiple-Dielectric Responses in Hybrid Perovskite-Type Molecular Crystals. <i>Inorganic Chemistry</i> , 2017, 56, 7058-7064.	1.9	13
36	Switchings of dielectric constant, second harmonic generation and polarization in a polar hybrid cyanometallate crystal. <i>New Journal of Chemistry</i> , 2017, 41, 3211-3216.	1.4	12

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37	The structural phase transition in a hybrid layered perovskite: [C <sub>7</sub> H <sub>16</sub> N] <sub>2</sub> [SnI <sub>4</sub> ]. Polyhedron, 2017, 129, 92-96.	1.0	6
38	Brilliant triboluminescence in a potential organic–inorganic hybrid ferroelectric: (Ph <sub>3</sub> PO) <sub>2</sub> MnBr <sub>2</sub> . Inorganic Chemistry Frontiers, 2017, 4, 154-159.	3.0	36
39	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
40	Sequential dielectric phase transitions induced by the vibrations of water molecules in an organic–inorganic hybrid halide (N-(2-ammoniummethyl)piperazinium)CuCl <sub>5</sub> ·2H <sub>2</sub> O. Dalton Transactions, 2017, 46, 10462-10468.	1.6	9
41	Visualization of Room-Temperature Ferroelectricity and Polarization Rotation in the Thin Film of Quinuclidinium Perrhenate. Physical Review Letters, 2017, 119, 207602.	2.9	50
42	Modulating molecular structures and dielectric transitions in organic–inorganic hybrid crystals. RSC Advances, 2017, 7, 52024-52029.	1.7	3
43	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
44	Symmetry breaking in molecular ferroelectrics. Chemical Society Reviews, 2016, 45, 3811-3827.	18.7	499
45	Anomalously rotary polarization discovered in homochiral organic ferroelectrics. Nature Communications, 2016, 7, 13635.	5.8	129
46	Temperature-Triggered Dielectric-Optical Duple Switch Based on an Organic–Inorganic Hybrid Phase Transition Crystal: [C <sub>5</sub> N <sub>2</sub> H <sub>16</sub> ] <sub>2</sub> SbBr <sub>5</sub> . Inorganic Chemistry, 2016, 55, 7661-7666.	1.9	31
47	Oriental ordering of guest induced structural phase transition coupled with switchable dielectric properties in a host–guest crystal: bis(thiourea) thiazolium chloride. RSC Advances, 2016, 6, 108028-108033.	1.7	2
48	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
49	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
50	Dielectric and photoluminescence properties of a layered perovskite-type organic–inorganic hybrid phase transition compound: NH <sub>3</sub> (CH <sub>2</sub> ) <sub>5</sub> NH <sub>3</sub> MnCl <sub>4</sub> . Journal of Materials Chemistry C, 2016, 4, 1881-1885.	2.7	84
51	Determination of Thiols by Fluorescence using Au@Ag Nanoclusters as Probes. Analytical Letters, 2015, 48, 647-658.	1.0	15
52	Sequential structural transitions with distinct dielectric responses in a layered perovskite organic–inorganic hybrid material: [C <sub>4</sub> H <sub>9</sub> N] <sub>2</sub> [PbBr <sub>4</sub> ]. Dalton Transactions, 2015, 44, 20406-20412.	1.6	56
53	Fluorometric determination of cadmium(II) and mercury(II) using nanoclusters consisting of a gold-nickel alloy. Mikrochimica Acta, 2015, 182, 2223-2231.	2.5	33
54	Label-free detection of sulfide ions based on fluorescence quenching of unmodified core–shell Au@Ag nanoclusters. RSC Advances, 2014, 4, 9825.	1.7	39

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55	Electrochemiluminescence of a nanoAg@carbon nanodot composite and its application to detect sulfide ions. <i>Analyst</i> , 2014, 139, 1751-1755.	1.7	55
56	One-Pot Green Synthesis of High Quantum Yield Oxygen-Doped, Nitrogen-Rich, Photoluminescent Polymer Carbon Nanoribbons as an Effective Fluorescent Sensing Platform for Sensitive and Selective Detection of Silver(I) and Mercury(II) Ions. <i>Analytical Chemistry</i> , 2014, 86, 7436-7445.	3.2	153