Zhong-Xia Wang

List of Publications by Year
in descending order

56 papers	2,496 citations	257450 24 h-index	197818 49 g-index
56 all docs	56 docs citations	56 times ranked	2041 citing authors

#	Article	IF	Citations
1	Symmetry breaking in molecular ferroelectrics. Chemical Society Reviews, 2016, 45, 3811-3827.	38.1	499
2	The First 2D Homochiral Lead Iodide Perovskite Ferroelectrics: [Râ€•and Sâ€1â€(4â€Chlorophenyl)ethylammonium]₂PbI₄. Advanced Materials, 2019, 31, e1808088.	21.0	268
3	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. Analytical Chemistry, 2014, 86, 7436-7445.	6.5	153
4	Anomalously rotary polarization discovered in homochiral organic ferroelectrics. Nature Communications, 2016, 7, 13635.	12.8	129
5	H/Fâ€Substitutionâ€Induced Homochirality for Designing Highâ€T_c Molecular Perovskite Ferroelectrics. Advanced Materials, 2019, 31, e1902163.	21.0	117
6	Unprecedented 2D Homochiral Hybrid Leadâ€Iodide Perovskite Thermochromic Ferroelectrics with Ferroelastic Switching. Angewandte Chemie - International Edition, 2021, 60, 10730-10735.	13.8	89
7	Dielectric and photoluminescence properties of a layered perovskite-type organicâ€“inorganic hybrid phase transition compound: NH₃(CH₂)₅NH₃MnCl₄. Journal of Materials Chemistry C, 2016, 4, 1881-1885.	5.5	84
8	Fluoridation Achieved Antiperovskite Molecular Ferroelectric in [(CH₃)₂(F-CH₂CH₂)NH]₃(CdCl₃)(CdCl₄). Journal of the American Chemical Society, 2019, 141, 4372-4378.	13.7	48
9	Sequential structural transitions with distinct dielectric responses in a layered perovskite organicâ€“inorganic hybrid material: [C₄H₉N]₂[PbBr₄]. Dalton Transactions, 2015, 44, 20406-20412.	3.3	56
10	Electrochemiluminescence of a nanoAgâ€“carbon nanodot composite and its application to detect sulfide ions. Analyst, The, 2014, 139, 1751-1755.	3.5	55
11	High quantum yield and unusual photoluminescence behaviour in tetrahedral manganese(<scp>ii</scp>) based on hybrid compounds. Inorganic Chemistry Frontiers, 2018, 5, 2615-2619.	6.0	51
12	Visualization of Room-Temperature Ferroelectricity and Polarization Rotation in the Thin Film of Quinuclidinium Perrhenate. Physical Review Letters, 2017, 119, 207602.	7.8	50
13	Structureâ€Triggered High Quantum Yield Luminescence and Switchable Dielectric Properties in Manganese(II) Based Hybrid Compounds. Chemistry - an Asian Journal, 2016, 11, 981-985.	3.3	49
14	Superior Transverse Piezoelectricity in a Halide Perovskite Molecular Ferroelectric Thin Film. Journal of the American Chemical Society, 2020, 142, 12857-12864.	13.7	48
15	H/F substitution for advanced molecular ferroelectrics. Trends in Chemistry, 2021, 3, 1088-1099.	8.5	48
16	Notable Broad Dielectric Relaxation and Highly Efficient Red Photoluminescence in a Perovskite-Type Compound: (N-Methylpyrrolidinium)MnCl₃. Inorganic Chemistry, 2017, 56, 12193-12198.	4.0	45
17	High-Temperature Dielectric Switching and Photoluminescence in a Corrugated Lead Bromide Layer Hybrid Perovskite Semiconductor. Inorganic Chemistry, 2019, 58, 10357-10363.	4.0	43
18	Label-free detection of sulfide ions based on fluorescence quenching of unmodified coreâ€“shell Au@Ag nanoclusters. RSC Advances, 2014, 4, 9825.	3.6	39

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19	Brilliant triboluminescence in a potential organicâ€“inorganic hybrid ferroelectric: (Ph₃PO)₂MnBr₂. Inorganic Chemistry Frontiers, 2017, 4, 154-159.	6.0	36
20	Homochiral one-dimensional ABX₃ lead halide perovskites with high-T_c quadratic nonlinear optical and dielectric switchings. Materials Chemistry Frontiers, 2021, 5, 4756-4763.	5.9	36
21	Fluorometric determination of cadmium(II) and mercury(II) using nanoclusters consisting of a gold-nickel alloy. Mikrochimica Acta, 2015, 182, 2223-2231.	5.0	33
22	Temperature-Triggered Dielectric-Optical Duple Switch Based on an Organicâ€“Inorganic Hybrid Phase Transition Crystal: [C₅N₂H₁₆]₂SbBr₅. Inorganic Chemistry, 2016, 55, 7661-7666.	4.0	31
23	Optically Induced Ferroelectric Polarization Switching in a Molecular Ferroelectric with Reversible Photoisomerization. Advanced Science, 2021, 8, e2102614.	11.2	31
24	Structural characterization, phase transition and switchable dielectric behaviors in a new zigzag chain organicâ€“inorganic hybrid compound: [C₃H₇NH₃]₂SbI₅. Dalton Transactions, 2016, 45, 5229-5233.	3.3	30
25	Unusual high-temperature reversible phase transition containing dielectric and nonlinear optical switches in hostâ€“guest supramolecular crown ether clathrates. Chemical Communications, 2018, 54, 8076-8079.	4.1	26
26	Design and Prominent Dielectric Properties of a Layered Phase-Transition Crystal: (Cyclohexylmethylammonium)₂CdCl₄. Crystal Growth and Design, 2016, 16, 3912-3916.	3.0	24
27	High temperature structural phase transition and dielectric relaxation in an organicâ€“inorganic hybrid compound: (4-methylpiperidinium)CdCl₃. CrystEngComm, 2017, 19, 1896-1901.	2.6	22
28	Tunable Dielectric Responses Triggered by Dimensionality Modification in Organicâ€“Inorganic Hybrid Phase Transition Compounds (C₅H₆N)Cd_nCl_{2n+1} (n = 1 and 2). Inorganic Chemistry, 2017, 56, 3506-3511.	4.0	22
29	High-temperature structural phase transition coupled with dielectric switching in an organicâ€“inorganic hybrid crystal: [NH₃(CH₂)₂Br]₃CdBr₅. Dalton Transactions, 2017, 46, 4711-4716.	3.3	20
30	A Photoluminescent Lead Bromide Hybrid Perovskite Molecular Ferroelastic Semiconductor with Sequential High-T_c Phase Transitions. Journal of Physical Chemistry Letters, 2021, 12, 5221-5227.	4.6	18
31	Tuning Dielectric Transitions in Two-Dimensional Organicâ€“Inorganic Hybrid Lead Halide Perovskites. Inorganic Chemistry, 2021, 60, 16871-16877.	4.0	18
32	Lipophilic Ga Complex with Broad-Spectrum Antimicrobial Activity and the Ability to Overcome Gallium Resistance in both Pseudomonas aeruginosa and Staphylococcus aureus. Journal of Medicinal Chemistry, 2021, 64, 9381-9388.	6.4	17
33	Salicylideneaniline is a Photoswitchable Ferroelectric Crystal. Chemistry - A European Journal, 2021, 27, 14831-14835.	3.3	17
34	Domain memory effect in the organic ferroics. Nature Communications, 2022, 13, 2379.	12.8	17
35	Determination of Thiols by Fluorescence using Au@Ag Nanoclusters as Probes. Analytical Letters, 2015, 48, 647-658.	1.8	15
36	Harnessing iron-oxide nanoparticles towards the improved bactericidal activity of macrophage against Staphylococcus aureus. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102158.	3.3	15

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37	Room-temperature dielectric switching in a hostâ€“guest crown ether inclusion complex. Inorganic Chemistry Frontiers, 2021, 8, 4896-4902.	6.0	15
38	Tunable dielectric transitions in layered organicâ€“inorganic hybrid perovskite-type compounds: [NH₃(CH₂)₂Cl]₂[CdCl_{4â^'4x}Br_{4x}] (x= 0, 1/4, 1). Dalton Transactions, 2018, 47, 7005-7012.	3.3	14
39	KCa(H₂O)₂[Fe^{III}(CN)₆]â‹…H₂O Nanoparticles as an Antimicrobial Agent against Staphylococcus aureus. Angewandte Chemie - International Edition, 2018, 57, 2214-2218.	13.8	14
40	Highest-T_c single-component homochiral organic ferroelectrics. Chemical Science, 2022, 13, 657-664.	7.4	14
41	Prominent dielectric transitions in layered organicâ€“inorganic hybrids: (isoamyl-ammonium)₂CdX₄ (X = Cl and Br). Inorganic Chemistry Frontiers, 2017, 4, 1330-1336.	6.0	13
42	Controllable Structures Designed with Multiple-Dielectric Responses in Hybrid Perovskite-Type Molecular Crystals. Inorganic Chemistry, 2017, 56, 7058-7064.	4.0	13
43	Unprecedented 2D Homochiral Hybrid Leadâ€Iodide Perovskite Thermochromic Ferroelectrics with Ferroelastic Switching. Angewandte Chemie, 2021, 133, 10825-10830.	2.0	13
44	Switchings of dielectric constant, second harmonic generation and polarization in a polar hybrid cyanometallate crystal. New Journal of Chemistry, 2017, 41, 3211-3216.	2.8	12
45	A Photochromic Organicâ€“Inorganic Hybrid Schiff Base Metal Halide Ferroelectric. Chemistry of Materials, 2022, 34, 1737-1745.	6.7	10
46	Sequential dielectric phase transitions induced by the vibrations of water molecules in an organicâ€“inorganic hybrid halide (N-(2-ammoniumethyl)piperazinium) CuCl₅Â·2H₂O. Dalton Transactions, 2017, 46, 10462-10468.	3.3	9
47	The distinguishing of cisâ€“trans isomers enabled via dielectric/ferroelectric signal feedback in a supramolecular Cu(1,10-phenanthroline)₂SeO₄Â·(diol) system. Journal of Materials Chemistry C, 2019, 7, 11022-11028.	5.5	9
48	Metalâ€“organic ferroelectric complexes: enantiomer directional induction achieved above-room-temperature homochiral molecular ferroelectrics. Inorganic Chemistry Frontiers, 2020, 7, 128-133.	6.0	8
49	The first salicylaldehyde Schiff base organicâ€“inorganic hybrid lead iodide perovskite ferroelectric. Chemical Communications, 2022, 58, 2192-2195.	4.1	7
50	The structural phase transition in a hybrid layered perovskite: [C7H16N]2[SnI4]. Polyhedron, 2017, 129, 92-96.	2.2	6
51	Evident Dielectric Relaxation in an Organicâ€Inorganic Halide Perovskite. European Journal of Inorganic Chemistry, 2021, 2021, 2749-2754.	2.0	6
52	Modulating molecular structures and dielectric transitions in organicâ€“inorganic hybrid crystals. RSC Advances, 2017, 7, 52024-52029.	3.6	3
53	Orientational ordering of guest induced structural phase transition coupled with switchable dielectric properties in a hostâ€“guest crystal: bis(thiourea) thiazolium chloride. RSC Advances, 2016, 6, 108028-108033.	3.6	2
54	Picomolar Level Detection of Copper(II) and Mercury(II) Ions Using Dual-Stabilizer-Capped CdTe Quantum Dots. Journal of Analysis and Testing, 2018, 2, 90-97.	5.1	2

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55	A high-T_c organic-ionic phase transition crystal obtained from a trivalent cation. CrystEngComm, 2021, 23, 264-267.	2.6	1
56	Competing hydrogen-bonding interactions in a high-Tc organic molecular-ionic crystal with evident nonlinear optical response. CrystEngComm, 2021, 23, 2509-2512.	2.6	1