

# Wei Chuan Zhang

## List of Publications by Year in descending order

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52  
papers

1,285  
citations

331670

21  
h-index

361022

35  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pseudohalide-Assisted Growth of Oriented Large Grains for High-Performance and Stable 2D Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2022, 7, 1842-1849.	17.4	29
2	ASRSNet: Automatic Salient Region Selection Network for Few-Shot Fine-Grained Image Classification. <i>Lecture Notes in Computer Science</i> , 2022, , 627-638.	1.3	1
3	Bromine-Substitution-Induced High-T <sub>c</sub> Two-Dimensional Bilayered Perovskite Photoferroelectric. <i>Journal of the American Chemical Society</i> , 2021, 143, 7593-7598.	13.7	40
4	Centimeter-Sized Single Crystal of a One-Dimensional Lead-Free Mixed-Cation Perovskite Ferroelectric for Highly Polarization Sensitive Photodetection. <i>Journal of the American Chemical Society</i> , 2021, 143, 16758-16767.	13.7	42
5	Large-Area Exfoliated Lead-Free Perovskite-Derivative Single-Crystalline Membrane for Flexible Low-Defect Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 9141-9149.	8.0	36
6	Halide Double Perovskite Ferroelectrics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9305-9308.	13.8	60
7	Halide Double Perovskite Ferroelectrics. <i>Angewandte Chemie</i> , 2020, 132, 9391-9394.	2.0	17
8	Exploration of Chiral Organic-Inorganic Hybrid Semiconducting Lead Halides. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2273-2277.	3.3	33
9	Tunable optical absorption in lead-free perovskite-like hybrids by iodide management. <i>Chemical Communications</i> , 2019, 55, 14174-14177.	4.1	23
10	A lead-free semiconducting hybrid with ultra-high color rendering index white-light emission. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2801-2805.	5.5	23
11	Broadband white-light emission with a high color rendering index in a two-dimensional organic-inorganic hybrid perovskite. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1171-1175.	5.5	86
12	(C <sub>6</sub> H <sub>13</sub> N) <sub>2</sub> BiI <sub>5</sub> : A One-Dimensional Lead-Free Perovskite-Derivative Photoconductive Light Absorber. <i>Inorganic Chemistry</i> , 2018, 57, 4239-4243.	4.0	76
13	Switchable behaviors of quadratic nonlinear optical properties originating from bi-step phase transitions in a molecule-based crystal. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4150-4155.	5.5	23
14	Rational design of a triiodide-intercalated dielectric-switching hybrid for visible-light absorption. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12170-12174.	5.5	14
15	Exploring a Polar Two-Dimensional Multi-Layered Hybrid Perovskite of (C <sub>5</sub> H <sub>11</sub> NH <sub>3</sub> ) <sub>2</sub> (CH <sub>3</sub> NH <sub>3</sub> )Pb <sub>2</sub> I <sub>7</sub> for Ultrafast-Responding Photodetection. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800060.		
16	Triiodide-Induced Band-Edge Reconstruction of a Lead-Free Perovskite-Derivative Hybrid for Strong Light Absorption. <i>Chemistry of Materials</i> , 2018, 30, 4081-4088.	6.7	52
17	Above-room-temperature switching of quadratic nonlinear optical properties in a Bi-halide organic-inorganic hybrid. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9532-9536.	5.5	34
18	Hydrogen-Bonded Switchable Dielectric Material Showing the Bistability of Second-Order Nonlinear Optical Properties. <i>Crystal Growth and Design</i> , 2017, 17, 3250-3256.	3.0	15

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19	Lead-Free Hybrid Material with an Exceptional Dielectric Phase Transition Induced by a Chair-to-Boat Conformation Change of the Organic Cation. <i>Inorganic Chemistry</i> , 2017, 56, 13078-13085.	4.0	35
20	(2-Methylpiperidine)PbI <sub>3</sub> : an ABX <sub>3</sub> -type organic-inorganic hybrid chain compound and its semiconducting nanowires with photoconductive properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11466-11471.	5.5	20
21	[(CH <sub>3</sub> ) <sub>3</sub> NH] <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> : A Polar Lead-Free Hybrid Perovskite-Like Material as a Potential Semiconducting Absorber. <i>Chemistry - A European Journal</i> , 2017, 23, 17304-17310.	3.3	46
22	Thermochromism to tune the optical bandgap of a lead-free perovskite-type hybrid semiconductor for efficiently enhancing photocurrent generation. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9967-9971.	5.5	28
23	Inorganic-organic hybrid switchable dielectric materials with the coexistence of magnetic anomalies induced by reversible high-temperature phase transition. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8509-8515.	5.5	46
24	One-dimensional chiral copper (II) complexes with novel nano-structures and superior antitumor activity. <i>Journal of Inorganic Biochemistry</i> , 2016, 156, 105-112.	3.5	19
25	Tuning the Structures of AsMo <sub>12</sub> and AsW <sub>12</sub> into Chiral Crystals by Introducing CH <sub>3</sub> CN and H <sub>2</sub> O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 724-727.	1.2	1
26	Effect of ethylenediamine on the formation of macro, micro, and nanostructures based on [WVI(Cat)2O <sub>2</sub> ] <sub>2</sub> . <i>CrystEngComm</i> , 2015, 17, 4592-4600.	2.6	2
27	Long-lived photoluminescence and high quantum yield of copper(II) complexes with novel nanostructures. <i>RSC Advances</i> , 2015, 5, 101155-101161.	3.6	6
28	Methyl-substituted enhancement of antitumor activity in square-planar metal complex and analysis of <sup>1</sup> E, <sup>1</sup> G, CV, UV-vis and luminescence. <i>New Journal of Chemistry</i> , 2015, 39, 4869-4875.	2.8	5
29	Synthesis and nanostructure of [Mo(C <sub>6</sub> H <sub>4</sub> O <sub>2</sub> ) <sub>3</sub> ] <sub>2</sub> (C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O) and the synthesis from 1,2-PDA to (C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O). <i>Inorganic Chemistry Communication</i> , 2015, 60, 77-81.	3.9	2
30	Using methyl as substituted-radical in n-phen enhances the anticancer activities of [(DMF)Cu(n-phen)(NO <sub>3</sub> ) <sub>2</sub> ]. <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 213-218.	3.5	7
31	Comparative Study of three Mononuclear Vanadium-Aromatic 1, 2-Diol Complexes: Structure, Characterization and Anti-Proliferating Effects Against Cancer Cells. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1523-1530.	1.2	16
32	Solvothermal Synthesis and Crystal Structures of Two Manganese Complexes [Mn(II)(acac) <sub>2</sub> (4,4'-bipy)] <sub>n</sub> (bipy=4,4'-bipyridine) and [Mn(III)(acac) <sub>3</sub> ] <sub>4</sub> ·4CO(NH <sub>2</sub> ) <sub>2</sub> . <i>Chinese Journal of Chemistry</i> , 2012, 30, 1063-1068.	4.9	5
33	A Supermolecule Assembled by Sodium Cation, Crown Ether and Dawson Heteropolyanion. <i>Chinese Journal of Chemistry</i> , 2012, 30, 512-516.	4.9	4
34	From Quantum Motifs to Assemble Nanoaggregates: The Preparation of Organo-Molybdenum Hybrid Nanostructures. <i>Inorganic Chemistry</i> , 2011, 50, 2175-2181.	4.0	12
35	Self-Assembly of a Novel V <sup>IV</sup> -Cu <sup>II</sup> Hybrid: Hydrogen Bonds Interlinked [VO(2,3-DHN)] <sub>2</sub> and [Cu(1,3-PDA)] <sub>2+</sub> Blocks. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 436-440.	1.2	4
36	A Tri-oxo Manganese Dimer: Synthesis, Structural and EPR Study. <i>Chinese Journal of Chemistry</i> , 2011, 29, 2034-2038.	4.9	1

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37	Self-assembly of three 1-D zinc <sup>II</sup> -benzenedicarboxylate coordination polymers with 1,10-phenanthroline. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3923-3932.	2.2	20
38	Nickel(II) Complexes Bearing NH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub> and $\alpha$ -C <sub>6</sub> H <sub>4</sub> (NH <sub>2</sub> ) <sub>2</sub> Ligands: Synthesis, Structures and Their Ethylene Polymerization Behavior. <i>Chinese Journal of Chemistry</i> , 2009, 27, 221-226.	4.9	1
39	The Assembly of Phosphometalate Clusters with Copper Complex Subunits. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 5267-5276.	2.0	21
40	Lamellar metal-organic complex and its rod-like nanoparticles prepared with ultrasonic technique. <i>Science in China Series B: Chemistry</i> , 2008, 51, 829-833.	0.8	1
41	Helical nanostructure of tubular metal-organic complex synthesized by sonochemical process. <i>Science in China Series B: Chemistry</i> , 2008, 51, 971-975.	0.8	4
42	Self-assembly of two novel 1D chains constructed from {P <sub>2</sub> Mo <sub>5</sub> } phosphomolybdate clusters linked through copper (II) complexes. <i>Journal of Molecular Structure</i> , 2008, 872, 129-134.	3.6	19
43	Study on the Enantioselective Degradation of Imazethapyr in Soil by CE. <i>Chromatographia</i> , 2008, 68, 1071-1073.	1.3	11
44	Solvothermal synthesis, structure and properties of two new compounds based on Keggin polyoxometalates decorated by copper complexes. <i>Journal of Coordination Chemistry</i> , 2008, 61, 3753-3762.	2.2	12
45	Synthesis and characterization of [Fe(1/4-Cl) <sub>2</sub> (phen)] <sub>2</sub> and [Fe(H <sub>2</sub> O) <sub>3</sub> (phen)SO <sub>4</sub> ]. <i>Journal of Coordination Chemistry</i> , 2008, 61, 1568-1574.	2.2	6
46	Iron(II) and Cobalt(II) 2-(Benzimidazolyl)-6-(1-(arylimino)ethyl)pyridyl Complexes as Catalysts for Ethylene Oligomerization and Polymerization. <i>Organometallics</i> , 2007, 26, 2720-2734.	2.3	170
47	Nickel Complexes Bearing 2-(Benzimidazol-2-yl)-1,10-phenanthrolines: Synthesis, Characterization and Their Catalytic Behavior Toward Ethylene Oligomerization. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3816-3826.	2.0	72
48	Synthesis and Crystal Structure of 4-n-Butyl-5-(4-methylphenyl)-2H-1,2,4-triazol-3(4H)-one. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X307-X308.	0.1	6
49	2-Ethylcarboxylate-6-Iminopyridyl Iron and Cobalt Complexes: Synthesis, Characterisation and their Ethylene Oligomerisation. <i>Journal of Chemical Research</i> , 2006, 2006, 384-387.	1.3	1
50	Synthesis, crystal structure and NMR of [Na(DB18C6)(CH <sub>3</sub> CN)] <sub>3</sub> [PW <sub>12</sub> O <sub>40</sub> ]. <i>Polyhedron</i> , 2005, 24, 2889-2893.	2.2	11
51	EPR and UV-vis studies of biomimetic complexes of molybdoenzyme and tungstoenzyme. <i>Science Bulletin</i> , 2003, 48, 649-651.	9.0	0
52	Synthesis and crystal structure of dodecatungstic acid with icosahedron. <i>Science Bulletin</i> , 1997, 42, 557-560.	1.7	2