

# Zhi Chen

## List of Publications by Year in descending order

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62  
papers

2,417  
citations

218677

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docs citations

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times ranked

3177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemically Exfoliated VSe <sub>2</sub> Monolayers with Room-Temperature Ferromagnetism. <i>Advanced Materials</i> , 2019, 31, e1903779.	21.0	251
2	Synthesis of Extended Graphdiyne Wires by Vicinal Surface Templating. <i>Nano Letters</i> , 2014, 14, 1891-1897.	9.1	165
3	A porous 3D heterometal-organic framework containing both lanthanide and high-spin Fe(II) ions. <i>Chemical Communications</i> , 2009, , 3113.	4.1	140
4	A Purely Lanthanide-Based Complex Exhibiting Ferromagnetic Coupling and Slow Magnetic Relaxation Behavior. <i>Inorganic Chemistry</i> , 2009, 48, 3493-3495.	4.0	128
5	Exploring Ferroelectric Switching in $\text{In}_2\text{Se}_3$ for Neuromorphic Computing. <i>Advanced Functional Materials</i> , 2020, 30, 2004609.	14.9	119
6	Syntheses, Structures, and Photoluminescence of a Series of Three-Dimensional Cd(II) Frameworks with a Flexible Ligand, 1,5-Bis(5-tetrazolo)-3-oxapentane. <i>Crystal Growth and Design</i> , 2010, 10, 4370-4378.	3.0	114
7	Two-Dimensional 3d <sup>4f</sup> Networks Containing Planar Co <sub>4</sub> Ln <sub>2</sub> Clusters with Single-Molecule-Magnet Behaviors. <i>Inorganic Chemistry</i> , 2012, 51, 7433-7435.	4.0	105
8	Structures, luminescent and magnetic properties of six lanthanide-organic frameworks: observation of slow magnetic relaxation behavior in the Dy(III) compound. <i>Dalton Transactions</i> , 2013, 42, 3587.	3.3	100
9	A Porphyrin Complex as a Self-Conditioned Electrode Material for High-Performance Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10341-10346.	13.8	94
10	Temperature-Controlled Chiral and Achiral Copper Tetrazolate Metal-Organic Frameworks: Syntheses, Structures, and I <sub>2</sub> Adsorption. <i>Inorganic Chemistry</i> , 2012, 51, 2303-2310.	4.0	82
11	Construction and Characterization of Several New Lanthanide-Organic Frameworks: From 2D Lattice to 2D Double-Layer and to Porous 3D Net with Interweaving Triple-Stranded Helices. <i>Crystal Growth and Design</i> , 2008, 8, 2291-2298.	3.0	72
12	Complex supramolecular interfacial tessellation through convergent multi-step reaction of a dissymmetric simple organic precursor. <i>Nature Chemistry</i> , 2018, 10, 296-304.	13.6	68
13	New Organic Electrode Materials for Ultrafast Electrochemical Energy Storage. <i>Advanced Materials</i> , 2019, 31, e1806599.	21.0	64
14	Structures, Luminescence, and Magnetic Properties of Several Three-Dimensional Lanthanide-Organic Frameworks Comprising 4-Carboxyphenoxy Acetic Acid. <i>Crystal Growth and Design</i> , 2012, 12, 5203-5210.	3.0	55
15	Copper Porphyrin as a Stable Cathode for High-Performance Rechargeable Potassium Organic Batteries. <i>ChemSusChem</i> , 2020, 13, 2286-2294.	6.8	54
16	Cu-Au Covalently Bonded Molecular Junctions Using Nonprotected Alkynyl Anchoring Groups. <i>Journal of the American Chemical Society</i> , 2016, 138, 8465-8469.	13.7	42
17	Monitoring the Electrochemical Energy Storage Processes of an Organic Full Rechargeable Battery via Operando Raman Spectroscopy: A Mechanistic Study. <i>Chemistry of Materials</i> , 2019, 31, 3239-3247.	6.7	39
18	Syntheses, Structures Tuned by 4,4'-Bipyridine and Magnetic Properties of a Series of Transition Metal Compounds Containing <i>o</i> -Carboxylphenoxyacetate Acid. <i>Crystal Growth and Design</i> , 2012, 12, 1201-1211.	3.0	38

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19	1D and 2D Graphdiynes: Recent Advances on the Synthesis at Interfaces and Potential Nanotechnological Applications. <i>Annalen Der Physik</i> , 2017, 529, 1700056.	2.4	38
20	Structure and luminescent property of novel 2D indium(III) and 1D cadmium(II) coordination polymers based on thiophene-2,5-dicarboxylic acid. <i>Journal of Molecular Structure</i> , 2008, 888, 360-365.	3.6	32
21	Fabrication and Properties of Eight Novel Lanthanide <sup>III</sup> Organic Frameworks Based on 4-Hydroxypyran-2,6-dicarboxylate and 4-Hydroxypyridine-2,6-dicarboxylate. <i>Crystal Growth and Design</i> , 2009, 9, 4006-4016.	3.0	31
22	A Porphyrin Complex as a Self-Conditioned Electrode Material for High-Performance Energy Storage. <i>Angewandte Chemie</i> , 2017, 129, 10477-10482.	2.0	31
23	Interface Engineering of Au(111) for the Growth of 1T <sup>-2</sup> -MoSe <sub>2</sub> . <i>ACS Nano</i> , 2019, 13, 2316-2323.	14.6	31
24	Bi <sub>2</sub> O <sub>3</sub> nanoparticles encapsulated in surface mounted metal-organic framework thin films. <i>Nanoscale</i> , 2016, 8, 6468-6472.	5.6	30
25	A New Type of Entanglement Involving Ribbons of Rings and Two Different Kinds of 2D (4,4) Networks (2D + 2D + 1D) Polycatenated in a 3D Supramolecular Architecture. <i>Crystal Growth and Design</i> , 2010, 10, 3847-3849.	3.0	27
26	Room Temperature Commensurate Charge Density Wave on Epitaxially Grown Bilayer 2H-Tantalum Sulfide on Hexagonal Boron Nitride. <i>ACS Nano</i> , 2020, 14, 3917-3926.	14.6	27
27	Assembly of single molecular magnets from dinuclear to 2D Dy-compounds with significant change of relaxation energy barriers. <i>Dalton Transactions</i> , 2016, 45, 85-88.	3.3	25
28	One-Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surface-Confined Supramolecular Assembly of Achiral Tectons. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7797-7802.	13.8	24
29	A Lithium-Free Energy Storage Device Based on an Alkyne-Substituted Porphyrin Complex. <i>ChemSusChem</i> , 2019, 12, 3737-3741.	6.8	24
30	High Rate and Long Lifespan Sodium-Organic Batteries Using Pseudocapacitive Porphyrin Complexes-Based Cathode. <i>Nano-Micro Letters</i> , 2021, 13, 71.	27.0	24
31	Metallo-Supramolecular Octahedral Cages with Three Types of Chirality towards Spontaneous Resolution. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24
32	2D materials for bone therapy. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113970.	13.7	23
33	Atomic Imaging of Electrically Switchable Striped Domains in 1 <sup>2</sup> -Se <sub>3</sub> . <i>Advanced Science</i> , 2021, 8, e2100713.	11.2	22
34	Novel flexible bis-triazole bridged copper(II) coordination polymers varying from one- to three-dimensionality. <i>CrystEngComm</i> , 2012, 14, 2032.	2.6	20
35	Synthesis and liquid crystalline properties of substituted 2,5-diaryl 1,3,4-oxadiazole derivatives without flexible chains. <i>Liquid Crystals</i> , 2008, 35, 1359-1365.	2.2	19
36	Structures and magnetic properties of several novel lanthanide coordination polymers based on thiophene-2,5-dicarboxylic acid. <i>Science China Chemistry</i> , 2012, 55, 1073-1078.	8.2	19

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37	Terminal Alkyne Coupling on a Corrugated Noble Metal Surface: From Controlled Precursor Alignment to Selective Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 15588-15593.	3.3	19
38	A Self-Conditioned Metalloporphyrin as a Highly Stable Cathode for Fast Rechargeable Magnesium Batteries. <i>ChemSusChem</i> , 2021, 14, 1840-1846.	6.8	17
39	Terpyridine-Based 3D Discrete Metallosupramolecular Architectures. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200004.	3.9	16
40	Crystal structures and luminescent properties of two novel coordination polymers containing Ln <sup>3+</sup> and. <i>Inorganic Chemistry Communication</i> , 2007, 10, 1433-1436.	3.9	15
41	Novel (42 <sup>Å</sup> -84)(43 <sup>Å</sup> -63) <sup>2</sup> (46 <sup>Å</sup> -63 <sup>Å</sup> -86) <sup>2</sup> topology network built up from the highly connective pyridine-2,4,6-tricarboxylate ligand. <i>Inorganic Chemistry Communication</i> , 2007, 10, 836-838.	3.9	14
42	Synthesis, Structure and Luminescent Property of Two New 2D Metal-Organic Frameworks containing Lanthanide Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 382-386.	1.2	14
43	Environment-Resistant DNA Origami Crystals Bridged by Rigid DNA Rods with Adjustable Unit Cells. <i>Nano Letters</i> , 2021, 21, 3581-3587.	9.1	13
44	Designing narcissistic self-sorting terpyridine moieties with high coordination selectivity for complex metallo-supramolecules. <i>Communications Chemistry</i> , 2021, 4, .	4.5	11
45	On-Surface Activation of Trimethylsilyl-Terminated Alkynes on Coinage Metal Surfaces. <i>ChemPhysChem</i> , 2019, 20, 2382-2393.	2.1	10
46	Hydrogen bond guided synthesis of close-packed one-dimensional graphdiyne on the Ag(111) surface. <i>Chemical Science</i> , 2019, 10, 10849-10852.	7.4	10
47	An Anomalous Magneto-Optic Effect in Epitaxial Indium Selenide Layers. <i>Nano Letters</i> , 2020, 20, 5330-5338.	9.1	10
48	Novel lanthanide coordination polymers with Eu-compound exhibits warm white light emission: Synthesis, structure, and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2016, 70, 51-55.	3.9	8
49	Epitaxy-Induced Assembly and Enantiomeric Switching of an On-Surface Formed Dinuclear Organocobalt Complex. <i>ACS Nano</i> , 2017, 11, 1347-1359.	14.6	8
50	Surface-Dependent Chemoselectivity in C-C Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8356-8361.	13.8	7
51	Synthesis, characterization, monolayer assembly and 2D lanthanide coordination of a linear terphenyl-di(propiononitrile) linker on Ag(111). <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 327-335.	2.8	6
52	One-Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surface-Confined Supramolecular Assembly of Achiral Tectons. <i>Angewandte Chemie</i> , 2017, 129, 7905-7910.	2.0	6
53	Synthesis, crystal structure and characterization of two Cu(II) complexes assembled with flexible bistriazole butane. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1302-1305.	3.9	5
54	Sub-Angstrom Imaging of Nondegenerate Kekulé Structures in a Two-Dimensional Halogen-Bonded Supramolecular Network. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4241-4247.	3.1	5

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55	Metallo- $\pi$ -Supramolecular Octahedral Cages with Three Types of Chirality towards Spontaneous Resolution. <i>Angewandte Chemie</i> , 0, , .	2.0	5
56	A belt-like one-dimensional Dy chain exhibiting slow magnetic relaxation behavior. <i>Dalton Transactions</i> , 2018, 47, 15298-15302.	3.3	4
57	Synthesis, structure and property of serial p-carboxylphenoxyacetate-lanthanide coordination polymers. <i>Science Bulletin</i> , 2009, 54, 4296-4302.	9.0	3
58	Chiral self-assembly of terminal alkyne and selenium clusters organic-inorganic hybrid. <i>Nano Research</i> , 2022, 15, 2741-2745.	10.4	3
59	One-dimensional Lanthanide Coordination Polymers Based on Butylene-2,2'-bis(oxybenzoic Acid), with Dy-compound Exhibiting White Light Emission. <i>Inorganic Chemistry Communication</i> , 2018, 94, 108-113.	3.9	2
60	Study on the electron transfer capability of porphyrin ring and the mechanisms in the catalytic denitrification. <i>Biochemical Engineering Journal</i> , 2021, 175, 108010.	3.6	2
61	Creating supramolecular semiregular Archimedean tilings via gas-mediated deprotonation of a terminal alkyne derivative. <i>CrystEngComm</i> , 0, , .	2.6	2
62	Surface-Dependent Chemoselectivity in C-C Coupling Reactions. <i>Angewandte Chemie</i> , 2019, 131, 8444-8449.	2.0	0