

Xi-Yan Dong

List of Publications by Year in descending order

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70
papers

6,201
citations

101543

36
h-index

95266

68
g-index

70
all docs

70
docs citations

70
times ranked

5407
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypersensitive dual-function luminescence switching of a silver-chalcogenolate cluster-based metal-organic framework. <i>Nature Chemistry</i> , 2017, 9, 689-697.	13.6	790
2	MOF-Derived Bifunctional Cu ₃ P Nanoparticles Coated by a N-Codoped Carbon Shell for Hydrogen Evolution and Oxygen Reduction. <i>Advanced Materials</i> , 2018, 30, 1703711.	21.0	477
3	Novel Tb-MOF Embedded with Viologen Species for Multi-Photofunctionality: Photochromism, Photomodulated Fluorescence, and Luminescent pH Sensing. <i>Chemistry of Materials</i> , 2015, 27, 1327-1331.	6.7	404
4	Highly selective Fe ³⁺ sensing and proton conduction in a water-stable sulfonate-carboxylate Tb-organic-framework. <i>Journal of Materials Chemistry A</i> , 2015, 3, 641-647.	10.3	340
5	Unique Proton Dynamics in an Efficient MOF-Based Proton Conductor. <i>Journal of the American Chemical Society</i> , 2017, 139, 3505-3512.	13.7	283
6	Ultrastable atomically precise chiral silver clusters with more than 95% quantum efficiency. <i>Science Advances</i> , 2020, 6, eaay0107.	10.3	175
7	AIE Triggers the Circularly Polarized Luminescence of Atomically Precise Enantiomeric Copper(I) Alkynyl Clusters. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10052-10058.	13.8	165
8	Shell engineering to achieve modification and assembly of atomically-precise silver clusters. <i>Chemical Society Reviews</i> , 2021, 50, 2297-2319.	38.1	164
9	Tandem Silver Cluster Isomerism and Mixed Linkers to Modulate the Photoluminescence of Cluster-Assembled Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8560-8566.	13.8	161
10	Porphyritic Silver Cluster Assembled Material for Simultaneous Capture and Photocatalysis of Mustard-Gas Simulant. <i>Journal of the American Chemical Society</i> , 2019, 141, 14505-14509.	13.7	161
11	Aqueous- and vapor-phase detection of nitroaromatic explosives by a water-stable fluorescent microporous MOF directed by an ionic liquid. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12690-12697.	10.3	156
12	A Crystalline Copper(II) Coordination Polymer for the Efficient Visible-Light-Driven Generation of Hydrogen. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2073-2077.	13.8	140
13	Tuning the functional substituent group and guest of metal-organic frameworks in hybrid membranes for improved interface compatibility and proton conduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3464-3474.	10.3	140
14	A Flexible Fluorescent SCC-MOF for Switchable Molecule Identification and Temperature Display. <i>Chemistry of Materials</i> , 2018, 30, 2160-2167.	6.7	138
15	A tetranuclear Cu ₄ (1/43-OH) ₂ -based metal-organic framework (MOF) with sulfonate-carboxylate ligands for proton conduction. <i>Chemical Communications</i> , 2013, 49, 10590.	4.1	127
16	Enantiomeric MOF Crystals Using Helical Channels as Palettes with Bright White Circularly Polarized Luminescence. <i>Advanced Materials</i> , 2020, 32, e2002914.	21.0	125
17	Ferroelectric Switchable Behavior through Fast Reversible De/adsorption of Water Spirals in a Chiral 3D Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2013, 135, 10214-10217.	13.7	124
18	Circularly Polarized Luminescence from Achiral Single Crystals of Hybrid Manganese Halides. <i>Journal of the American Chemical Society</i> , 2019, 141, 15755-15760.	13.7	124

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19	Ligand engineering to achieve enhanced ratiometric oxygen sensing in a silver cluster-based metal-organic framework. <i>Nature Communications</i> , 2020, 11, 3678.	12.8	122
20	Guest-Triggered Aggregation-Induced Emission in Silver Chalcogenolate Cluster Metal-Organic Frameworks. <i>Advanced Science</i> , 2019, 6, 1801304.	11.2	120
21	Synergy between Isomorphous Acid and Basic Metal-Organic Frameworks for Anhydrous Proton Conduction of Low-Cost Hybrid Membranes at High Temperatures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38209-38216.	8.0	103
22	Robust multifunctional Zr-based metal-organic polyhedra for high proton conductivity and selective CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7724-7730.	10.3	101
23	Alkynyl-Stabilized Superatomic Silver Clusters Showing Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , 2021, 143, 6048-6053.	13.7	95
24	Alkaline Earth Metal (Mg, Sr, Ba)-Organic Frameworks Based on 2,2',6,6'-Tetracarboxybiphenyl for Proton Conduction. <i>Inorganic Chemistry</i> , 2014, 53, 12050-12057.	4.0	93
25	Cations Controlling the Chiral Assembly of Luminescent Atomically Precise Copper(I) Clusters. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12143-12148.	13.8	93
26	Thermoinduced structural-transformation and thermochromic luminescence in organic manganese chloride crystals. <i>Chemical Science</i> , 2019, 10, 3836-3839.	7.4	92
27	Dual-Functional Proton-Conducting and pH-Sensing Polymer Membrane Benefiting from a Eu-MOF. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28720-28726.	8.0	92
28	Circularly polarized luminescence of agglomerate emitters. <i>Aggregate</i> , 2021, 2, e48.	9.9	81
29	Sulfonic Groups Lined along Channels of Metal-Organic Frameworks (MOFs) for Super-Proton Conductor. <i>Inorganic Chemistry</i> , 2020, 59, 396-402.	4.0	77
30	Apically Co-nanoparticles-wrapped nitrogen-doped carbon nanotubes from a single-source MOF for efficient oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24071-24077.	10.3	73
31	Multiple Responsive CPL Switches in an Enantiomeric Pair of Perovskite Confined in Lanthanide MOFs. <i>Advanced Materials</i> , 2022, 34, e2109496.	21.0	67
32	Sulfonic and phosphonic porous solids as proton conductors. <i>Coordination Chemistry Reviews</i> , 2022, 451, 214241.	18.8	63
33	Recent progress in functional atom-precise coinage metal clusters protected by alkynyl ligands. <i>Coordination Chemistry Reviews</i> , 2022, 453, 214315.	18.8	62
34	Extra Silver Atom Triggers Room-Temperature Photoluminescence in Atomically Precise Radarlike Silver Clusters. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11898-11902.	13.8	52
35	Symmetry Breaking of Atomically Precise Fullerene-like Metal Nanoclusters. <i>Journal of the American Chemical Society</i> , 2021, 143, 12439-12444.	13.7	49
36	Bimetal-Organic-Framework-Derived Nanohybrids Cu _{0.9} Co _{2.1} S ₄ @MoS ₂ for High-Performance Visible-Light-Catalytic Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019, 2, 1134-1148.	5.1	42

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37	Full-Color Tunable Circularly Polarized Luminescence Induced by the Crystal Defect from the Co-assembly of Chiral Silver(I) Clusters and Dyes. <i>Journal of the American Chemical Society</i> , 2021, 143, 20574-20578.	13.7	39
38	Surface oxygen vacancies promoted Pt redispersion to single-atoms for enhanced photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13890-13897.	10.3	38
39	Linker Flexibility-Dependent Cluster Transformations and Cluster-Controlled Luminescence in Isostructural Silver Cluster-Assembled Materials (SCAMs). <i>Chemistry - A European Journal</i> , 2019, 25, 3376-3381.	3.3	36
40	AIE Triggers the Circularly Polarized Luminescence of Atomically Precise Enantiomeric Copper(I) Alkynyl Clusters. <i>Angewandte Chemie</i> , 2020, 132, 10138-10144.	2.0	34
41	Small symmetry-breaking triggering large chiroptical responses of Ag ₇₀ nanoclusters. <i>Nature Communications</i> , 2022, 13, 1177.	12.8	31
42	Tandem Silver Cluster Isomerism and Mixed Linkers to Modulate the Photoluminescence of Cluster-Assembled Materials. <i>Angewandte Chemie</i> , 2018, 130, 8696-8702.	2.0	30
43	Crystalline Metal-Organic Materials with Thermally Activated Delayed Fluorescence. <i>Advanced Optical Materials</i> , 2021, 9, 2100081.	7.3	30
44	A Crystalline Copper(II) Coordination Polymer for the Efficient Visible-Light-Driven Generation of Hydrogen. <i>Angewandte Chemie</i> , 2016, 128, 2113-2117.	2.0	26
45	N-donor ligand mediated assembly of divalent zinc and cadmium coordination polymers based on 2,3,3'-thiaphthalic acid: structures and properties. <i>CrystEngComm</i> , 2012, 14, 4444.	2.6	25
46	A new silver cluster that emits bright-blue phosphorescence. <i>Chemical Communications</i> , 2020, 56, 2451-2454.	4.1	24
47	A hydrophobic semiconducting metal-organic framework assembled from silver chalcogenide wires. <i>Chemical Communications</i> , 2020, 56, 2091-2094.	4.1	22
48	Enantiomorphic Single Crystals of Linear Lead(II) Bromide Perovskitoids with White Circularly Polarized Emission. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	22
49	Superprotonic Conductivity of UiO-66 with Missing-Linker Defects in Aqua-Ammonia Vapor. <i>Inorganic Chemistry</i> , 2022, 61, 3406-3411.	4.0	19
50	Creating a Polar Surface in Carbon Frameworks from Single-Source Metal-Organic Frameworks for Advanced CO ₂ Uptake and Lithium-Sulfur Batteries. <i>Chemistry of Materials</i> , 2019, 31, 4258-4266.	6.7	17
51	Fabrication of silver chalcogenolate cluster hybrid membranes with enhanced structural stability and luminescence efficiency. <i>Chemical Communications</i> , 2019, 55, 14677-14680.	4.1	16
52	Evolution of all-carboxylate-protected superatomic Ag clusters confined in Ti-organic cages. <i>Nano Research</i> , 2021, 14, 2309.	10.4	16
53	An enantiomeric pair of 2D organic-inorganic hybrid perovskites with circularly polarized luminescence and photoelectric effects. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3440-3446.	5.5	16
54	Cations Controlling the Chiral Assembly of Luminescent Atomically Precise Copper(I) Clusters. <i>Angewandte Chemie</i> , 2019, 131, 12271-12276.	2.0	15

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55	Water sandwiched by a pair of aromatic rings in a proton-conducting metal-organic framework. Dalton Transactions, 2016, 45, 18142-18146.	3.3	10
56	Extra Silver Atom Triggers Room-Temperature Photoluminescence in Atomically Precise Radarlike Silver Clusters. Angewandte Chemie, 2020, 132, 11996-12000.	2.0	7
57	Master key to coinage metal nanoclusters treasure chest: 38-metal clusters. Nanoscale, 2022, 14, 1538-1565.	5.6	6
58	Facile Synthesis of a Heteroatoms-Quaternary-Doped Porous Carbon as an Efficient and Stable Metal-Free Catalyst for Oxygen Reduction. ChemistrySelect, 2017, 2, 6129-6134.	1.5	5
59	Nanosized Functional MOFs Loading Ag/AgBr with Throughout-Visible-Light Absorption for High-Efficiency Photocatalysis. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 706-711.	1.2	5
60	Ensembles from silver clusters and cucurbit[6]uril-containing linkers. Dalton Transactions, 2021, 50, 15267-15273.	3.3	5
61	Frontispiece: Circularly polarized luminescence of agglomerate emitters. Aggregate, 2021, 2, e138.	9.9	5
62	An efficient and versatile biopolishing strategy to construct high performance zinc anode. Nano Research, 2022, 15, 5081-5088.	10.4	5
63	Electrostatic attraction induces cationic covalent-organic framework to pack inorganic acid ions for promoting proton conduction. Chemical Communications, 2022, 58, 6084-6087.	4.1	5
64	Achiral copper clusters helically confined in self-assembled chiral nanotubes emitting circularly polarized phosphorescence. Inorganic Chemistry Frontiers, 2022, 9, 3330-3334.	6.0	5
65	Site-specific sulfur-for-metal replacement in a silver nanocluster. Chemical Communications, 2022, 58, 7321-7324.	4.1	5
66	Co-assembly of Ag ₂₉ Nanoclusters with Ru(bpy) ₃ ²⁺ for Two-Photon Up-Conversion and Singlet Oxygen Generation. , 2022, 4, 960-966.		4
67	Enantiomorphic Single Crystals of Linear Lead(II) Bromide Perovskitoids with White Circularly Polarized Emission. Angewandte Chemie, 0, , .	2.0	3
68	Copper Nanoclusters: Cu ₁₄ Cluster with Partial Cu(0) Character: Difference in Electronic Structure from Isostructural Silver Analog (Adv. Sci. 18/2019). Advanced Science, 2019, 6, 1970108.	11.2	2
69	Aquabis(benzoato- η^{O})(5,5-dimethyl-2,2-bipyridine- $\eta^{\text{2N,N}}$)copper(II). Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m1290-m1290.	0.2	1
70	Bis($\frac{1}{4}$ -biphenyl-2,2-dicarboxylato)bis[aqua(4,4-dimethyl-2,2-bipyridine- $\eta^{\text{2N,N}}$)copper(II)]. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m1360-m1360.	0.2	1