

Yifa Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3218233/publications.pdf>

Version: 2024-02-01

59
papers

5,437
citations

101496

36
h-index

133188

59
g-index

64
all docs

64
docs citations

64
times ranked

6975
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Solid-State Supercapacitor Based on a Metal-Organic Framework Interwoven by Electrochemically-Deposited PANI. <i>Journal of the American Chemical Society</i> , 2015, 137, 4920-4923.	6.6	832
2	Rational design of a metal-organic framework host for sulfur storage in fast, long-cycle Li-S batteries. <i>Energy and Environmental Science</i> , 2014, 7, 2715.	15.6	434
3	Oriented electron transmission in polyoxometalate-metalloporphyrin organic framework for highly selective electroreduction of CO ₂ . <i>Nature Communications</i> , 2018, 9, 4466.	5.8	342
4	Efficient electron transmission in covalent organic framework nanosheets for highly active electrocatalytic carbon dioxide reduction. <i>Nature Communications</i> , 2020, 11, 497.	5.8	280
5	Roll-to-Roll Production of Metal-Organic Framework Coatings for Particulate Matter Removal. <i>Advanced Materials</i> , 2017, 29, 1606221.	11.1	252
6	Stable radical anions generated from a porous perylene diimide metal-organic framework for boosting near-infrared photothermal conversion. <i>Nature Communications</i> , 2019, 10, 767.	5.8	247
7	Photoinduced Postsynthetic Polymerization of a Metal-Organic Framework toward a Flexible Stand-Alone Membrane. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4259-4263.	7.2	235
8	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic Framework Coatings. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3419-3423.	7.2	201
9	Shaping of Metal-Organic Frameworks: From Fluid to Shaped Bodies and Robust Foams. <i>Journal of the American Chemical Society</i> , 2016, 138, 10810-10813.	6.6	178
10	Covalent Organic Framework Based Functional Materials: Important Catalysts for Efficient CO ₂ Utilization. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	128
11	Metal-organic framework-based foams for efficient microplastics removal. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14644-14652.	5.2	125
12	In Situ Growth of MOFs on the Surface of Si Nanoparticles for Highly Efficient Lithium Storage: Si@MOF Nanocomposites as Anode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2178-2182.	4.0	124
13	Zn-BTC MOFs with active metal sites synthesized via a structure-directing approach for highly efficient carbon conversion. <i>Chemical Communications</i> , 2014, 50, 2624-2627.	2.2	118
14	Water Purification: Adsorption over Metal-Organic Frameworks. <i>Chinese Journal of Chemistry</i> , 2016, 34, 175-185.	2.6	116
15	Metal-Organic Framework Templated Synthesis of Copper Azide as the Primary Explosive with Low Electrostatic Sensitivity and Excellent Initiation Ability. <i>Advanced Materials</i> , 2016, 28, 5837-5843.	11.1	108
16	Facile Fabrication of Multifunctional Metal-Organic Framework Hollow Tubes To Trap Pollutants. <i>Journal of the American Chemical Society</i> , 2017, 139, 16482-16485.	6.6	96
17	Implanting Numerous Hydrogen-Bonding Networks in a Cu-Porphyrin-Based Nanosheet to Boost CH ₄ Selectivity in Neutral Media CO ₂ Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21952-21958.	7.2	96
18	Metallocene implanted metalloporphyrin organic framework for highly selective CO ₂ electroreduction. <i>Nano Energy</i> , 2020, 67, 104233.	8.2	93

#	ARTICLE	IF	CITATIONS
19	Recent progress and perspectives in heterogeneous photocatalytic CO ₂ reduction through a solid-gas mode. <i>Coordination Chemistry Reviews</i> , 2021, 438, 213906.	9.5	93
20	Coordination polymer-based conductive materials: ionic conductivity vs. electronic conductivity. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24059-24091.	5.2	90
21	Imparting CO ₂ Electroreduction Auxiliary for Integrated Morphology Tuning and Performance Boosting in a Porphyrin-based Covalent Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114648.	7.2	78
22	Stepped Channels Integrated Lithium-Sulfur Separator via Photoinduced Multidimensional Fabrication of Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10147-10154.	7.2	74
23	Single Metal Site and Versatile Transfer Channel Merged into Covalent Organic Frameworks Facilitate High-Performance Li-CO ₂ Batteries. <i>ACS Central Science</i> , 2021, 7, 175-182.	5.3	69
24	Porphyrin-Based COF 2D Materials: Variable Modification of Sensing Performances by Post-Metallization. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	63
25	Controllable Synthesis of COFs-Based Multicomponent Nanocomposites from Core-Shell to Yolk-Shell and Hollow-Sphere Structure for Artificial Photosynthesis. <i>Advanced Materials</i> , 2021, 33, e2105002.	11.1	60
26	Facile fabrication of magnetically recyclable metal-organic framework nanocomposites for highly efficient and selective catalytic oxidation of benzylic C-H bonds. <i>Chemical Communications</i> , 2014, 50, 8374-8377.	2.2	58
27	Chloroplast-like porous bismuth-based core-shell structure for high energy efficiency CO ₂ electroreduction. <i>Science Bulletin</i> , 2020, 65, 1635-1642.	4.3	52
28	Anthraquinone Covalent Organic Framework Hollow Tubes as Binder Microadditives in Li-S Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	52
29	Efficient Charge Migration in Chemically-Bonded Prussian Blue Analogue/CdS with Beaded Structure for Photocatalytic H ₂ Evolution. <i>Jacs Au</i> , 2021, 1, 212-220.	3.6	47
30	Implanting Polypyrrole in Metal-Porphyrin MOFs: Enhanced Electrocatalytic Performance for CO ₂ RR. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54959-54966.	4.0	45
31	Solid-phase hot-pressing synthesis of POMOFs on carbon cloth and derived phosphides for all pH value hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21969-21977.	5.2	43
32	Self-assembly of anthraquinone covalent organic frameworks as 1D superstructures for highly efficient CO ₂ electroreduction to CH ₄ . <i>Science Bulletin</i> , 2021, 66, 1659-1659.	4.3	43
33	Metal-Organic Frameworks Derived Porous Carbons: Syntheses, Porosity and Gas Sorption Properties. <i>Chinese Journal of Chemistry</i> , 2016, 34, 157-174.	2.6	42
34	Defect engineering of highly stable lanthanide metal-organic frameworks by particle modulation for coating catalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 342-348.	5.2	39
35	Polyoxovanadate-polymer hybrid electrolyte in solid state batteries. <i>Energy Storage Materials</i> , 2020, 29, 172-181.	9.5	39
36	Rapid Production of Metal-Organic Frameworks Based Separators in Industrial-Level Efficiency. <i>Advanced Science</i> , 2020, 7, 2002190.	5.6	34

#	ARTICLE	IF	CITATIONS
37	Polyoxometalate-Induced Efficient Recycling of Waste Polyester Plastics into Metal-Organic Frameworks. <i>CCS Chemistry</i> , 2019, 1, 561-570.	4.6	33
38	Self-assembly of single metal sites embedded covalent organic frameworks into multi-dimensional nanostructures for efficient CO ₂ electroreduction. <i>Chinese Chemical Letters</i> , 2022, 33, 1439-1444.	4.8	31
39	Exfoliation of covalent organic frameworks into MnO ₂ -loaded ultrathin nanosheets as efficient cathode catalysts for Li-CO ₂ batteries. <i>Cell Reports Physical Science</i> , 2021, 2, 100392.	2.8	27
40	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic Framework Coatings. <i>Angewandte Chemie</i> , 2016, 128, 3480-3484.	1.6	22
41	Covalent Organic Framework Based Functional Materials: Important Catalysts for Efficient CO ₂ Utilization. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	22
42	Boosting Highly Ordered Porosity in Lanthanum Metal-Organic Frameworks for Ring-Opening Polymerization of β -Butyrolactone. <i>CheM</i> , 2021, 7, 463-479.	5.8	21
43	A Tale of Copper Coordination Frameworks: Controlled Single-Crystal-to-Single-Crystal Transformations and Their Catalytic C-H Bond Activation Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 13894-13899.	1.7	20
44	Self-Assembly of Hydroxyl Metal-Organic Polyhedra and Polymer into Cu-Based Hollow Spheres for Product-Selective CO ₂ Electroreduction. <i>Small Structures</i> , 2021, 2, 2100012.	6.9	20
45	Imparting CO ₂ Electroreduction Auxiliary for Integrated Morphology Tuning and Performance Boosting in a Porphyrin-based Covalent Organic Framework. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	20
46	Decavanadate-based clusters as bifunctional catalysts for efficient treatment of carbon dioxide and simulant sulfur mustard. <i>Journal of CO₂ Utilization</i> , 2021, 45, 101419.	3.3	18
47	Decavanadate-based Transition Metal Hybrids as Bifunctional Catalysts for Sulfide Oxidation and C-C Bond Construction. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2495-2503.	2.6	18
48	Single-metal site-embedded conjugated macrocyclic hybrid catalysts enable boosted CO ₂ reduction and evolution kinetics in Li-CO ₂ batteries. <i>Cell Reports Physical Science</i> , 2021, 2, 100583.	2.8	15
49	Implanting Numerous Hydrogen-Bonding Networks in a Cu-Porphyrin-Based Nanosheet to Boost CH ₄ Selectivity in Neutral-Media CO ₂ Electroreduction. <i>Angewandte Chemie</i> , 2021, 133, 22123-22129.	1.6	14
50	Porphyrin-Based COF 2D Materials: Variable Modification of Sensing Performances by Post-Metallization. <i>Angewandte Chemie</i> , 0, , .	1.6	13
51	Anthraquinone Covalent Organic Framework Hollow Tubes as Binder Microadditives in Li-S Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	12
52	Boosting CO ₂ electroreduction performance over fullerene-modified MOF-545-Co promoted by π - π interaction. <i>Chinese Chemical Letters</i> , 2023, 34, 107459.	4.8	12
53	Construction of an Electron Bridge in Polyoxometalates/Graphene Oxide Ultrathin Nanosheets To Boost the Lithium Storage Performance. <i>Energy & Fuels</i> , 2020, 34, 16968-16977.	2.5	11
54	Stepped Channels Integrated Lithium-Sulfur Separator via Photoinduced Multidimensional Fabrication of Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2021, 133, 10235-10242.	1.6	8

#	ARTICLE	IF	CITATIONS
55	Three-in-one Fe-porphyrin based hybrid nanosheets for enhanced CO ₂ reduction and evolution kinetics in Li-CO ₂ battery. <i>Chinese Chemical Letters</i> , 2023, 34, 107633.	4.8	7
56	Explosives: Metal-Organic Framework Templated Synthesis of Copper Azide as the Primary Explosive with Low Electrostatic Sensitivity and Excellent Initiation Ability (<i>Adv. Mater.</i> 28/2016). <i>Advanced Materials</i> , 2016, 28, 5766-5766.	11.1	6
57	One-step assembly of Pd-Keggin-polyoxometalates for catalytic benzothiadiazole generation and derived cell-imaging probe application. <i>Chinese Chemical Letters</i> , 2023, 34, 107692.	4.8	5
58	Imidazole-Dependent Assembly of Copper Polymolybdate Frameworks for One-Pot Sulfide Oxidation and C-H Activation. <i>Energy & Fuels</i> , 2022, 36, 1665-1675.	2.5	2
59	Titelbild: Photoinduced Postsynthetic Polymerization of a Metal-Organic Framework toward a Flexible Stand-Alone Membrane (<i>Angew. Chem.</i> 14/2015). <i>Angewandte Chemie</i> , 2015, 127, 4199-4199.	1.6	0