Yu Fu

List of Publications by Year in descending order

70 papers	1,511 citations	304602 22 h-index	360920 35 g-index
70 all docs	70 docs citations	70 times ranked	1594 citing authors

#	Article	IF	Citations
1	Preparation of MOF Film/Aerogel Composite Catalysts via Substrateâ€Seeding Secondaryâ€Growth for the Oxygen Evolution Reaction and CO₂ Cycloaddition. Angewandte Chemie - International Edition, 2021, 60, 701-705.	7.2	107
2	Wavelengthâ€Controlled Dynamic Metathesis: A Lightâ€Driven Exchange Reaction between Disulfide and Diselenide Bonds. Angewandte Chemie - International Edition, 2018, 57, 16426-16430.	7.2	103
3	Microenvironment of MOF Channel Coordination with Pt NPs for Selective Hydrogenation of Unsaturated Aldehydes. ACS Catalysis, 2020, 10, 5805-5813.	5.5	88
4	A facile PDMS coating approach to room-temperature gas sensors with high humidity resistance and long-term stability. Sensors and Actuators B: Chemical, 2020, 325, 128810.	4.0	69
5	Fabrication of MOF Thin Films at Miscible Liquidâ€“Liquid Interface by Spray Method. ACS Applied Materials & Interfaces, 2018, 10, 25960-25966.	4.0	64
6	Construction of Zn/Ni Bimetallic Organic Framework Derived ZnO/NiO Heterostructure with Superior N-Propanol Sensing Performance. ACS Applied Materials & Interfaces, 2021, 13, 9206-9215.	4.0	59
7	Fabrication of Metalâ€“Organic Framework and Infinite Coordination Polymer Nanosheets by the Spray Technique. Langmuir, 2017, 33, 1060-1065.	1.6	53
8	Electrochemical oxidation of 5-hydroxymethylfurfural on ternary metalâ€“organic framework nanoarrays: enhancement from electronic structure modulation. Journal of Materials Chemistry A, 2021, 9, 14270-14275.	5.2	48
9	Two-dimensional MOF-derived nanoporous Cu/Cu2O networks as catalytic membrane reactor for the continuous reduction of p-nitrophenol. Journal of Membrane Science, 2019, 582, 30-36.	4.1	45
10	Multicomponent metalâ€“organic framework derivatives for optimizing the selective catalytic performance of styrene epoxidation reaction. Nanoscale, 2018, 10, 8772-8778.	2.8	40
11	An Electrochemical Sensor for H₂O₂ Based on Au Nanoparticles Embedded in UiO-66 Metalâ€“Organic Framework Films. ACS Applied Nano Materials, 2021, 4, 6103-6110.	2.4	39
12	Site-directed reduction engineering within bimetal-organic frameworks for efficient size-selective catalysis. Matter, 2021, 4, 2919-2935.	5.0	36
13	An ultra-high quantum yield Tb-MOF with phenolic hydroxyl as the recognition group for a highly selective and sensitive detection of Fe³⁺. Journal of Materials Chemistry C, 2021, 9, 15840-15847.	2.7	36
14	Thermal Shrinkage Behavior of Metalâ€“Organic Frameworks. Advanced Functional Materials, 2020, 30, 2001389.	7.8	35
15	Pd-Decorated PdO Hollow Shells: A H₂-Sensing System in Which Catalyst Nanoparticle and Semiconductor Support are Interconvertible. ACS Applied Materials & Interfaces, 2020, 12, 42971-42981.	4.0	32
16	Dynamic Tunable Color Display Based on Metalâ€“Insulatorâ€“Metal Resonator with Polymer Brush Insulator Layer as Signal Transducer. ACS Applied Materials & Interfaces, 2019, 11, 41668-41675.	4.0	29
17	Copper oxide hierarchical morphology derived from MOF precursors for enhancing ethanol vapor sensing performance. Journal of Materials Chemistry C, 2020, 8, 9671-9677.	2.7	29
18	Characterization and optimization of the H2 sensing performance of Pd hollow shells. Sensors and Actuators B: Chemical, 2019, 295, 101-109.	4.0	27

#	Article	IF	Citations
19	Fabrication of 2D metalâ€“organic framework nanosheet@fiber composites by spray technique. Chemical Communications, 2019, 55, 8293-8296.	2.2	26
20	Exploring the Fundamental Roles of Functionalized Ligands in Platinum@Metalâ€“Organic Framework Catalysts. ACS Applied Materials & Interfaces, 2020, 12, 52660-52667.	4.0	26
21	Naked eye plasmonic indicator with multi-responsive polymer brush as signal transducer and amplifier. Nanoscale, 2017, 9, 1925-1933.	2.8	24
22	Amorphous FeNi-bimetallic infinite coordination polymers as advanced electrocatalysts for the oxygen evolution reaction. Chemical Communications, 2019, 55, 12567-12570.	2.2	24
23	Enhancing the Hydrogen-Sensing Performance of p-Type PdO by Modulating the Conduction Model. ACS Applied Materials & Interfaces, 2021, 13, 52754-52764.	4.0	24
24	MOF-derived CuCoNi trimetallic hybrids as efficient oxygen evolution reaction electrocatalysts. New Journal of Chemistry, 2020, 44, 2459-2464.	1.4	23
25	CoNi-based metalâ€“organic framework nanoarrays supported on carbon cloth as bifunctional electrocatalysts for efficient water-splitting. New Journal of Chemistry, 2020, 44, 1694-1698.	1.4	21
26	Efficient Nonâ€Precious Metal Catalyst for Propane Dehydrogenation: Atomically Dispersed Cobaltâ€nitrogen Compounds on Carbon Nanotubes. ChemCatChem, 2021, 13, 3067-3073.	1.8	21
27	Metallic Nanoshells with Sub-10 nm Thickness and Their Performance as Surface-Enhanced Spectroscopy Substrate. ACS Applied Materials & Interfaces, 2016, 8, 9889-9896.	4.0	20
28	Transitional MOFs: Exposing Metal Sites with Porosity for Enhancing Catalytic Reaction Performance. ACS Applied Materials & Interfaces, 2020, 12, 23968-23975.	4.0	20
29	Preparation of hierarchical trimetallic coordination polymer film as efficient electrocatalyst for oxygen evolution reaction. Chemical Communications, 2019, 55, 9343-9346.	2.2	19
30	Fabrication of mesoporous MOF nanosheets via surfactant-template method for Câ€“S coupling reactions. Microporous and Mesoporous Materials, 2020, 303, 110254.	2.2	19
31	Visual Detection of Thiocyanate Based on Fabryâ€“Perot Etalons with a Responsive Polymer Brush as the Transducer. ACS Sensors, 2020, 5, 303-307.	4.0	18
32	Controllable Fabrication of PdOâ€PdAu Ternary Hollow Shells: Synergistic Acceleration of H₂â€Sensing Speed via Morphology Regulation and Electronic Structure Modulation. Small, 2022, 18, e2106874.	5.2	17
33	Fabrication of 2D Metalâ€“Organic Framework Nanosheets with Highly Colloidal Stability and High Yield through Coordination Modulation. ACS Applied Materials & Interfaces, 2021, 13, 39755-39762.	4.0	15
34	Fabrication of a robust MOF/aerogel composite via a covalent post-assembly method. Chemical Communications, 2021, 57, 5961-5964.	2.2	15
35	Prediction Descriptor for Catalytic Activity of Platinum Nanoparticles/Metalâ€“Organic Framework Composites. ACS Applied Materials & Interfaces, 2021, 13, 38325-38332.	4.0	14
36	Preparation of Hierarchically Porous Metalâ€“Organic Frameworks via Slow Chemical Vapor Etching for CO₂ Cycloaddition. Inorganic Chemistry, 2022, 61, 6881-6887.	1.9	13

#	Article	IF	Citations
37	Fabrication of wide-detection-range H₂ sensors with controllable saturation behavior using Au@Pd nanoparticle arrays. Chemical Communications, 2020, 56, 12636-12639.	2.2	12
38	Preparation of Superhydrophobic Metalâ€“Organic Framework/Polymer Composites as Stable and Efficient Catalysts. ACS Applied Materials & Interfaces, 2021, 13, 32175-32183.	4.0	12
39	Swelling-induced 3D photopatterning on a diselenide-containing elastomer. Journal of Materials Chemistry C, 2019, 7, 10777-10782.	2.7	11
40	Sea urchin-like CuO particles prepared using Cu₃(PO₄)₂ flowers as precursor for high-performance ethanol sensing. Nanotechnology, 2020, 31, 165504.	1.3	11
41	Novel Zinc-Based Infinite Coordination Polymer for Highly Selective Ammonia Gas Sensing at Room Temperature. Bulletin of the Chemical Society of Japan, 2020, 93, 1070-1073.	2.0	11
42	Pseudomorphic Replacement in the Transformation between Metalâ€“Organic Frameworks toward Three-Dimensional Hierarchical Nanostructures. Chemistry of Materials, 2022, 34, 5356-5365.	3.2	11
43	A dual-emissive europium-based metalâ€“organic framework for selective and sensitive detection of Fe³⁺ and Fe²⁺. Dalton Transactions, 2021, 50, 13823-13829.	1.6	10
44	Fabrication of Metal Nanoparticle Composites by Slow Chemical Reduction of Metalâ€“Organic Frameworks. Inorganic Chemistry, 2021, 60, 16447-16454.	1.9	10
45	Optimally designed gold nanorattles with strong built-in hotspots and weak polarization dependence. Nanotechnology, 2017, 28, 495201.	1.3	8
46	Fabrication of hierarchically flower-like trimetallic coordination polymers via ion-exchange strategy for efficient electrocatalytic oxygen evolution. Journal of Electroanalytical Chemistry, 2021, 883, 115036.	1.9	8
47	Pd-decorated PdO nanoparticle nanonetworks: A low-cost eye-readable H2 indicator with reactivation ability. Sensors and Actuators B: Chemical, 2022, 368, 132242.	4.0	8
48	Transfer of ordered nanoparticle array and its application in high-modulus membrane fabrication. Journal of Materials Chemistry C, 2014, 2, 6410.	2.7	7
49	Fabrication of Monodisperse Flower-Like Coordination Polymers (CP) Microparticles by Spray Technique. Nanomaterials, 2017, 7, 237.	1.9	7
50	Structural and Morphological Transformation of Two-Dimensional Metalâ€“Organic Frameworks Accompanied by Controlled Preparation Using the Spray Method. Langmuir, 2020, 36, 7392-7399.	1.6	7
51	Construction of hierarchically porous metal-organic frameworks via vapor atmosphere etching. Science China Materials, 2022, 65, 3062-3068.	3.5	7
52	Preparation of Bimetallic Metal-Organic Framework Microflowers by Spray Method. Bulletin of the Chemical Society of Japan, 2019, 92, 175-177.	2.0	6
53	Solid-state structural transformation of Zn(II)-bpe coordination polymers triggered by dual stimuli. Journal of Solid State Chemistry, 2020, 292, 121635.	1.4	6
54	Preparation of MOF Film/Aerogel Composite Catalysts via Substrateâ€Seeding Secondaryâ€Growth for the Oxygen Evolution Reaction and CO 2 Cycloaddition. Angewandte Chemie, 2021, 133, 711-715.	1.6	6

#	Article	IF	Citations
55	Anisotropic MOF-on-MOF Growth of Isostructural Multilayer Metalâ€“Organic Framework Heterostructures. Research, 2021, 2021, 9854946.	2.8	6
56	Dynamic Color Display with Viewing-Angle Tolerance Based on the Responsive Asymmetric Fabryâ€“Perot Cavity. ACS Applied Materials & Interfaces, 2022, 14, 7200-7207.	4.0	6
57	Synthesis of FeNiCo Ternary Hydroxides through Green Grinding Method with Metalâ€Organic Frameworks as Precursors for Oxygen Evolution Reaction. ChemSusChem, 2021, 14, 5042-5048.	3.6	5
58	Fabrication of a MOF/Aerogel Composite via a Mild and Green One-Pot Method. Bulletin of the Chemical Society of Japan, 2021, 94, 2477-2483.	2.0	5
59	Construction of a Hierarchical Structure of Bimetallic Oxide Derived from Metalâ€“Organic Frameworks. Inorganic Chemistry, 2022, 61, 8043-8052.	1.9	5
60	Fabrication of Hierarchical Quaternary Architectures of Metalâ€“Organic Frameworks through Programmed Transformation. Inorganic Chemistry, 2022, 61, 7173-7179.	1.9	4
61	Oriented self-assembly of metalâ€“organic frameworks driven by photoinitiated monomer polymerization. RSC Advances, 2022, 12, 19406-19411.	1.7	4
62	Thermal Annealing: A Facile Way of Conferring Responsivity to Inert Alkyl-Chain-Passivated Nanoparticle Arrays. Langmuir, 2014, 30, 13052-13057.	1.6	3
63	A Novel Strategy for Fabricating a Strong Nanoparticle Monolayer and Its Enhanced Mechanism. Nanomaterials, 2019, 9, 1468.	1.9	3
64	The Fabrication of Rigid Crosslinker-Decorated Gold Nanoparticle Array Film for Catalyzing CO2 Cycloaddition. Bulletin of the Chemical Society of Japan, 2019, 92, 2004-2011.	2.0	3
65	Construction of hierarchical-porous metalâ€“organic frameworks through esterification reaction for efficient catalysis. Chemical Communications, 2021, 57, 10795-10798.	2.2	3
66	2-Methylimidazole-Induced Synthesis of 2D Amorphous FeCoNi Ternary Hydroxides Nanosheets by Mechanochemical Approach for Oxygen Evolution Reaction. Bulletin of the Chemical Society of Japan, 2022, 95, 178-184.	2.0	3
67	Preparation of MOF catalysts and simultaneously modulated metal nodes and ligands via a one-pot method for optimizing cycloaddition reactions. New Journal of Chemistry, 2020, 44, 9611-9615.	1.4	2
68	Lab-on-fiber sensing system based on responsive Fabry-Perot optical resonance cavities prepared through in-situ construction strategy. Nanotechnology, 2021, 32, .	1.3	1
69	Synthesis of amorphous FeNiCo trimetallic hybrid electrode from ZIF precursors for efficient oxygen evolution reaction. Nanotechnology, 2022, 33, 035403.	1.3	1
70	UV-Responsive, wide color gamut, inkless dynamic photonic paper enabled by disulfide-containing polyurethane based Fabry-Perot resonant cavity. Journal of Materials Chemistry C, 0, , .	2.7	1