

# Yong-Liang Huang

## List of Publications by Year in descending order

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37  
papers

1,587  
citations

394421

19  
h-index

330143

37  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological metal-organic frameworks: Structures, host-guest chemistry and bio-applications. <i>Coordination Chemistry Reviews</i> , 2019, 378, 207-221.	18.8	279
2	Cage-Interconnected Metal-Organic Framework with Tailored Apertures for Efficient $C_2H_6/C_2H_4$ Separation under Humid Conditions. <i>Journal of the American Chemical Society</i> , 2019, 141, 20390-20396.	13.7	212
3	Induced Fit of $C_2H_2$ in a Flexible MOF Through Cooperative Action of Open Metal Sites. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8515-8519.	13.8	208
4	A Luminescent Microporous Metal-Organic Framework with Highly Selective $CO_2$ Adsorption and Sensing of Nitro Explosives. <i>Inorganic Chemistry</i> , 2014, 53, 9457-9459.	4.0	99
5	Building a Pyrazole-Benzothiadiazole-Pyrazole Photosensitizer into Metal-Organic Frameworks for Photocatalytic Aerobic Oxidation. <i>Journal of the American Chemical Society</i> , 2021, 143, 21340-21349.	13.7	84
6	Counter-cation modulation of hydrogen and methane storage in a sodalite-type porous metal-organic framework. <i>Chemical Communications</i> , 2012, 48, 12002.	4.1	61
7	A facile method for the synthesis of a porous cobalt oxide-carbon hybrid as a highly efficient water oxidation catalyst. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1819-1827.	10.3	56
8	A unique magnesium-based 3D MOF with nanoscale cages and temperature dependent selective gas sorption properties. <i>Chemical Communications</i> , 2013, 49, 1753.	4.1	54
9	Induced Fit of $C_2H_2$ in a Flexible MOF Through Cooperative Action of Open Metal Sites. <i>Angewandte Chemie</i> , 2019, 131, 8603-8607.	2.0	52
10	Exclusive Recognition of Acetone in a Luminescent BioMOF through Multiple Hydrogen-Bonding Interactions. <i>Inorganic Chemistry</i> , 2019, 58, 7667-7671.	4.0	39
11	Pyrazine functionalization to boost the antenna effect in rare-earth metal-organic frameworks for tetracycline detection. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1714-1721.	6.0	35
12	Ultrasensitive and highly selective detection of formaldehyde via an adenine-based biological metal-organic framework. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2416-2424.	5.9	34
13	Enhanced Hydride Donation Achieved Molybdenum Catalyzed Direct <i>N</i> -Alkylation of Anilines or Nitroarenes with Alcohols: From Computational Design to Experiment. <i>ACS Catalysis</i> , 2021, 11, 10377-10382.	11.2	31
14	A microporous <i>shp</i> -topology metal-organic framework with an unprecedented high-nuclearity $Co_{10}$ -cluster for iodine capture and histidine detection. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4300-4309.	5.9	27
15	Mixed-Linker Isorecticular Zn(II) Metal-Organic Frameworks as Brønsted Acid-Base Bifunctional Catalysts for Knoevenagel Condensation Reactions. <i>Inorganic Chemistry</i> , 2022, 61, 8339-8348.	4.0	27
16	$Cr_2O_7^{2-}$ inside Zr/Hf-based metal-organic frameworks: highly sensitive and selective detection and crystallographic evidence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16974-16983.	5.5	26
17	Two Li-Zn Cluster-Based Metal-Organic Frameworks: Strong $H_2/CO_2$ Binding and High Selectivity to $CO_2$ . <i>Inorganic Chemistry</i> , 2017, 56, 705-708.	4.0	23
18	Guest effects on crystal structure and phosphorescence of a $Cu_6L_3$ prismatic cage. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1437-1444.	6.0	23

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19	Tuning the C2/C1 Hydrocarbon Separation Performance in a BioMOF by Surface Functionalization. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4205-4210.	2.0	21
20	Reversible Multiphase Transition in a BioMOF and Its Distinctive Luminescence Turn-On in Alcohol Vapor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 38503-38509.	8.0	18
21	Unexpected structural transformation into noria-like Ag <sub>13</sub> metal clusters and a copper-doping induced boost in photoluminescence. <i>Chemical Communications</i> , 2020, 56, 4789-4792.	4.1	17
22	Cyclic Trinuclear Copper(I) Complex Exhibiting Aggregation-Induced Emission: A Novel Fluorescent Probe for the Selective Detection of Gold(III) Ions. <i>Inorganic Chemistry</i> , 2022, 61, 414-421.	4.0	17
23	Aggregation-induced phosphorescence sensitization in two heptanuclear and decanuclear gold-silver sandwich clusters. <i>Chemical Science</i> , 2021, 12, 702-708.	7.4	16
24	Chiral 3D Coordination Polymers Consisting of Achiral Terpyridyl Precursors: from Spontaneous Resolution to Enantioenriched Induction. <i>Chemistry - A European Journal</i> , 2020, 26, 1936-1940.	3.3	15
25	HIF-1 $\alpha$ is a Potential Molecular Target for Herbal Medicine to Treat Diseases. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 4915-4949.	4.3	15
26	5-Fluorouracil Cocrystals with Lipophilic Hydroxy-2-Naphthoic Acids: Crystal Structures, Theoretical Computations, and Permeation Studies. <i>Crystal Growth and Design</i> , 2020, 20, 923-933.	3.0	14
27	Bifunctional Gyroidal MOFs: Highly Efficient Lewis Base and Lewis Acid Catalysts. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3682-3687.	3.3	13
28	Modulation of Solid-State Optical Properties of <i>o</i> -Hydroxynaphthoic Acids through Formation of Charge Transfer Cocrystals with TCNB. <i>Crystal Growth and Design</i> , 2020, 20, 7492-7500.	3.0	13
29	Guest-boosted phosphorescence efficiency of a supramolecular cage. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2299-2304.	6.0	12
30	Cocrystals of Penciclovir with Hydroxybenzoic Acids: Synthesis, Crystal Structures, and Physicochemical Evaluation. <i>Crystal Growth and Design</i> , 2020, 20, 4108-4119.	3.0	9
31	Enabling photocatalytic activity of [Ru(2,6-bis(2-terpyridine) <sub>2</sub> ) <sup>2+</sup> integrated into a metal-organic framework. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2777-2782.	5.9	9
32	Modulation of Gas Sorption Properties through Cation Exchange within an Anionic Metal-Organic Framework. <i>ChemPlusChem</i> , 2016, 81, 780-785.	2.8	7
33	Biomimetic mimicry of formaldehyde-induced DNA-protein crosslinks in the confined space of a metal-organic framework. <i>Chemical Science</i> , 2022, 13, 4813-4820.	7.4	7
34	Self-assembly of mixed-valence and heterometallic metallocycles: efficient catalysts for the oxidation of alcohols to aldehydes in ambient air. <i>Dalton Transactions</i> , 2020, 49, 7304-7308.	3.3	6
35	A thermostable terbium(III) complex with high fluorescence quantum yields. <i>New Journal of Chemistry</i> , 2022, 46, 11021-11024.	2.8	4
36	A 3D homochiral metal-organic framework with high selective adsorption property. <i>Inorganic Chemistry Communication</i> , 2018, 92, 115-120.	3.9	2

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37	A pair of homochiral complexes generated via spontaneous resolution: Synthesis, structures and dielectric properties. <i>Inorganica Chimica Acta</i> , 2018, 482, 454-459.	2.4	2