

Yiming Hu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

1,253
citations

13
h-index

25
g-index

25
ext. papers

1,700
ext. citations

14.9
avg, IF

4.95
L-index

#	Paper	IF	Citations
23	Single crystals of mechanically entwined helical covalent polymers. <i>Nature Chemistry</i> , 2021 , 13, 660-665	17.6	20
22	Covalent organic framework based lithium-ion battery: Fundamental, design and characterization. <i>EnergyChem</i> , 2021 , 3, 100048	36.9	25
21	A pillar[5]arene-based covalent organic framework with pre-encoded selective host-guest recognition. <i>Chemical Science</i> , 2021 , 12, 13316-13320	9.4	3
20	Highly active alkyne metathesis catalysts operating under open air condition. <i>Nature Communications</i> , 2021 , 12, 1136	17.4	9
19	Highly C2/C1-Selective Covalent Organic Frameworks Substituted with Azo Groups. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51517-51522	9.5	11
18	Production and closed-loop recycling of biomass-based malleable materials. <i>Science China Materials</i> , 2020 , 63, 2071-2078	7.1	9
17	Confined growth of ordered organic frameworks at an interface. <i>Chemical Society Reviews</i> , 2020 , 49, 4637-4666	58.5	39
16	Broad-Scope Ultrafine Nanoparticles: Phosphine-Based Covalent Organic Framework for the Controlled Synthesis of Broad-Scope Ultrafine Nanoparticles (Small 8/2020). <i>Small</i> , 2020 , 16, 2070042	11	
15	Phosphine-Based Covalent Organic Framework for the Controlled Synthesis of Broad-Scope Ultrafine Nanoparticles. <i>Small</i> , 2020 , 16, e1906005	11	47
14	Covalent organic framework-supported platinum nanoparticles as efficient electrocatalysts for water reduction. <i>Nanoscale</i> , 2020 , 12, 2596-2602	7.7	27
13	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20846-20851	16.4	17
12	A Truxenone-based Covalent Organic Framework as an All-Solid-State Lithium-Ion Battery Cathode with High Capacity. <i>Angewandte Chemie</i> , 2020 , 132, 20565-20569	3.6	1
11	A Truxenone-based Covalent Organic Framework as an All-Solid-State Lithium-Ion Battery Cathode with High Capacity. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20385-20389	16.4	45
10	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. <i>Angewandte Chemie</i> , 2020 , 132, 21032-21037	3.6	4
9	Covalent organic framework-supported Fe ^{III} O ₂ nanoparticles as ambient-light-active photocatalysts. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16364-16371	13	56
8	Crystalline Lithium Imidazolate Covalent Organic Frameworks with High Li-Ion Conductivity. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7518-7525	16.4	165
7	Crystalline, Few-layer 2D Materials via Surfactant-monolayer-assisted Interfacial Synthesis. <i>Chemical Research in Chinese Universities</i> , 2019 , 35, 955-956	2.2	1

6	Cage-templated synthesis of highly stable palladium nanoparticles and their catalytic activities in Suzuki-Miyaura coupling. <i>Chemical Science</i> , 2018 , 9, 676-680	9.4	79
5	Highly Fluoro-Substituted Covalent Organic Framework and Its Application in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42233-42240	9.5	87
4	Synthesis of Ultrafine and Highly Dispersed Metal Nanoparticles Confined in a Thioether-Containing Covalent Organic Framework and Their Catalytic Applications. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17082-17088	16.4	358
3	Tessellated multiporous two-dimensional covalent organic frameworks. <i>Nature Reviews Chemistry</i> , 2017 , 1,	34.6	240
2	Helical Covalent Polymers with Unidirectional Ion Channels as Single Lithium-Ion Conducting Electrolytes. <i>CCS Chemistry</i> , 2762-2770	7.2	3
1	Synthesis of Graphyne using dynamic covalent chemistry		6