Yiming Hu

List of Publications by Year in descending order

24 papers	2,227 citations	471371 17 h-index	677027 22 g-index
25 all docs	25 docs citations	25 times ranked	2678 citing authors

#	Article	IF	Citations
1	Synthesis of Ultrafine and Highly Dispersed Metal Nanoparticles Confined in a Thioether-Containing Covalent Organic Framework and Their Catalytic Applications. Journal of the American Chemical Society, 2017, 139, 17082-17088.	6.6	506
2	Tessellated multiporous two-dimensional covalent organic frameworks. Nature Reviews Chemistry, 2017, 1, .	13.8	319
3	Crystalline Lithium Imidazolate Covalent Organic Frameworks with High Li-Ion Conductivity. Journal of the American Chemical Society, 2019, 141, 7518-7525.	6.6	261
4	Highly Fluoro-Substituted Covalent Organic Framework and Its Application in Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 42233-42240.	4.0	127
5	A Truxenoneâ€based Covalent Organic Framework as an Allâ€Solidâ€State Lithiumâ€Ion Battery Cathode with High Capacity. Angewandte Chemie - International Edition, 2020, 59, 20385-20389.	7.2	110
6	Synthesis of Î³-graphyne using dynamic covalent chemistry. , 2022, 1, 449-454.		106
7	Cage-templated synthesis of highly stable palladium nanoparticles and their catalytic activities in Suzukiâ€“Miyaura coupling. Chemical Science, 2018, 9, 676-680.	3.7	105
8	Confined growth of ordered organic frameworks at an interface. Chemical Society Reviews, 2020, 49, 4637-4666.	18.7	104
9	Covalent organic framework-supported Feâ€“TiO₂ nanoparticles as ambient-light-active photocatalysts. Journal of Materials Chemistry A, 2019, 7, 16364-16371.	5.2	103
10	Covalent organic framework based lithium-ion battery: Fundamental, design and characterization. EnergyChem, 2021, 3, 100048.	10.1	94
11	Phosphineâ€Based Covalent Organic Framework for the Controlled Synthesis of Broadâ€Scope Ultrafine Nanoparticles. Small, 2020, 16, e1906005.	5.2	82
12	Single crystals of mechanically entwined helical covalent polymers. Nature Chemistry, 2021, 13, 660-665.	6.6	82
13	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. Angewandte Chemie - International Edition, 2020, 59, 20846-20851.	7.2	44
14	Covalent organic framework-supported platinum nanoparticles as efficient electrocatalysts for water reduction. Nanoscale, 2020, 12, 2596-2602.	2.8	41
15	A pillar[5]arene-based covalent organic framework with pre-encoded selective hostâ€“guest recognition. Chemical Science, 2021, 12, 13316-13320.	3.7	32
16	Highly active alkyne metathesis catalysts operating under open air condition. Nature Communications, 2021, 12, 1136.	5.8	28
17	Helical Covalent Polymers with Unidirectional Ion Channels as Single Lithium-Ion Conducting Electrolytes. CCS Chemistry, 2021, 3, 2762-2770.	4.6	23
18	Highly C2/C1-Selective Covalent Organic Frameworks Substituted with Azo Groups. ACS Applied Materials & Interfaces, 2020, 12, 51517-51522.	4.0	20

#	Article	IF	Citations
19	Production and closed-loop recycling of biomass-based malleable materials. Science China Materials, 2020, 63, 2071-2078.	3.5	17
20	Advances and challenges in user-friendly alkyne metathesis catalysts. Trends in Chemistry, 2022, 4, 540-553.	4.4	8
21	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. Angewandte Chemie, 2020, 132, 21032-21037.	1.6	7
22	A Truxenoneâ€based Covalent Organic Framework as an Allâ€Solidâ€State Lithiumâ€Ion Battery Cathode with High Capacity. Angewandte Chemie, 2020, 132, 20565-20569.	1.6	5
23	Crystalline, Few-layer 2D Materials via Surfactant-monolayer-assisted Interfacial Synthesis. Chemical Research in Chinese Universities, 2019, 35, 955-956.	1.3	3
24	Broadâ€Scope Ultrafine Nanoparticles: Phosphineâ€Based Covalent Organic Framework for the Controlled Synthesis of Broadâ€Scope Ultrafine Nanoparticles (Small 8/2020). Small, 2020, 16, 2070042.	5.2	0