Lipeng Zhai

List of Publications by Year
in descending order

18 papers	1,458 citations	687363 13 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	1712 citing authors

#	Article	IF	Citations
1	Stable Covalent Organic Frameworks for Exceptional Mercury Removal from Aqueous Solutions. Journal of the American Chemical Society, 2017, 139, 2428-2434.	13.7	519
2	Multiple-component covalent organic frameworks. Nature Communications, 2016, 7, 12325.	12.8	227
3	Confining H3PO4 network in covalent organic frameworks enables proton super flow. Nature Communications, 2020, 11, 1981.	12.8	114
4	A backbone design principle for covalent organic frameworks: the impact of weakly interacting units on CO₂ adsorption. Chemical Communications, 2017, 53, 4242-4245.	4.1	113
5	Constructing Synergistic Triazine and Acetylene Cores in Fully Conjugated Covalent Organic Frameworks for Cascade Photocatalytic H₂O₂ Production. Chemistry of Materials, 2022, 34, 5232-5240.	6.7	90
6	Conjugated Covalent Organic Frameworks as Platinum Nanoparticle Supports for Catalyzing the Oxygen Reduction Reaction. Chemistry of Materials, 2020, 32, 9747-9752.	6.7	68
7	Construction of Covalent Organic Frameworks with Crown Ether Struts. Angewandte Chemie - International Edition, 2021, 60, 9959-9963.	13.8	57
8	Cationic Covalent Organic Frameworks for Fabricating an Efficient Triboelectric Nanogenerator. , 2020, 2, 1691-1697.		42
9	In situ construction of redox-active covalent organic frameworks/carbon nanotube composites as anodes for lithium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 3989-3995.	10.3	41
10	Bromineâ€Functionalized Covalent Organic Frameworks for Efficient Triboelectric Nanogenerator. Chemistry - A European Journal, 2020, 26, 5784-5788.	3.3	40
11	Constructing cationic covalent organic frameworks by a post-function process for an exceptional iodine capture via electrostatic interactions. Materials Chemistry Frontiers, 2021, 5, 5463-5470.	5.9	39
12	Constructing Stable and Porous Covalent Organic Frameworks for Efficient Iodine Vapor Capture. Macromolecular Rapid Communications, 2021, 42, e2100032.	3.9	30
13	Homogeneous and Fast Li-Ion Transport Enabled by a Novel Metalâ€“Organic-Framework-Based Succinonitrile Electrolyte for Dendrite-Free Li Deposition. ACS Applied Materials & Interfaces, 2021, 13, 52688-52696.	8.0	22
14	Accumulation of Sulfonic Acid Groups Anchored in Covalent Organic Frameworks as an Intrinsic Protonâ€Conducting Electrolyte. Macromolecular Rapid Communications, 2022, 43, e2100590.	3.9	17
15	Highly Reversible and Stable Zinc Anode Enabled by a Fully Conjugated Porous Organic Polymer Protective Layer. ACS Applied Energy Materials, 2022, 5, 2375-2383.	5.1	16
16	Design of Photoactive Covalent Organic Frameworks as Heterogeneous Catalyst for Preparation of Thiophosphinates from Phosphine Oxides and Thiols. Chemistry - A European Journal, 2022, , .	3.3	12
17	Flexible thiourea linked covalent organic frameworks. CrystEngComm, 2021, 23, 7576-7580.	2.6	6
18	Construction of Covalent Organic Frameworks with Crown Ether Struts. Angewandte Chemie, 2021, 133, 10047-10051.	2.0	5