

# Lipeng Zhai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2457991/publications.pdf>

Version: 2024-02-01

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