

# Li Cao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5787893/publications.pdf>

Version: 2024-02-01

16  
papers

1,130  
citations

623734

14  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Weakly Humidity-Dependent Proton-Conducting COF Membranes. <i>Advanced Materials</i> , 2020, 32, e2005565.	21.0	201
2	Solid-Vapor Interface Engineered Covalent Organic Framework Membranes for Molecular Separation. <i>Journal of the American Chemical Society</i> , 2020, 142, 13450-13458.	13.7	161
3	De Novo Design of Covalent Organic Framework Membranes toward Ultrafast Anion Transport. <i>Advanced Materials</i> , 2020, 32, e2001284.	21.0	130
4	Continuous electrical pumping membrane process for seawater lithium mining. <i>Energy and Environmental Science</i> , 2021, 14, 3152-3159.	30.8	98
5	Covalent Assembly of Two-Dimensional COF-on-MXene Heterostructures Enables Fast Charging Lithium Hosts. <i>Advanced Functional Materials</i> , 2021, 31, 2101194.	14.9	83
6	Electropolymerization of robust conjugated microporous polymer membranes for rapid solvent transport and narrow molecular sieving. <i>Nature Communications</i> , 2020, 11, 5323.	12.8	80
7	Pore engineering of ultrathin covalent organic framework membranes for organic solvent nanofiltration and molecular sieving. <i>Chemical Science</i> , 2020, 11, 5434-5440.	7.4	78
8	Giant Osmotic Energy Conversion through Vertical-Aligned Ion-Permselective Nanochannels in Covalent Organic Framework Membranes. <i>Journal of the American Chemical Society</i> , 2022, 144, 12400-12409.	13.7	62
9	Oriented Two-Dimensional Covalent Organic Framework Membranes with High Ion Flux and Smart Gating Nanofluidic Transport. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	50
10	Precise Sub-Angstrom Ion Separation Using Conjugated Microporous Polymer Membranes. <i>ACS Nano</i> , 2021, 15, 11970-11980.	14.6	46
11	Assembling covalent organic framework membranes via phase switching for ultrafast molecular transport. <i>Nature Communications</i> , 2022, 13, .	12.8	42
12	The Ionic Liquid-H <sub>2</sub> O Interface: A New Platform for the Synthesis of Highly Crystalline and Molecular Sieving Covalent Organic Framework Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 36507-36516.	8.0	31
13	An Ultrahigh-Flux Nanoporous Graphene Membrane for Sustainable Seawater Desalination using Low-Grade Heat. <i>Advanced Materials</i> , 2022, 34, e2109718.	21.0	25
14	Flexible Ionic Conjugated Microporous Polymer Membranes for Fast and Selective Ion Transport. <i>Advanced Functional Materials</i> , 2022, 32, 2108672.	14.9	22
15	Conjugated microporous polymer membranes for light-gated ion transport. <i>Science Advances</i> , 2022, 8, .	10.3	15
16	Tailored pore size and microporosity of covalent organic framework (COF) membranes for improved molecular separation. , 2021, 1, 100008.		6