

Li Cao

List of Publications by Year in descending order

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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	Flexible Ionic Conjugated Microporous Polymer Membranes for Fast and Selective Ion Transport. <i>Advanced Functional Materials</i> , 2022, 32, 2108672.	14.9	22
2	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
3	An Ultrahigh-Flux Nanoporous Graphene Membrane for Sustainable Seawater Desalination using Low-Grade Heat. <i>Advanced Materials</i> , 2022, 34, e2109718.	21.0	25
4	Conjugated microporous polymer membranes for light-gated ion transport. <i>Science Advances</i> , 2022, 8, .	10.3	15
5	Assembling covalent organic framework membranes via phase switching for ultrafast molecular transport. <i>Nature Communications</i> , 2022, 13, .	12.8	42
6	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
7	Covalent Assembly of Two-Dimensional COF-MXene Heterostructures Enables Fast Charging Lithium Hosts. <i>Advanced Functional Materials</i> , 2021, 31, 2101194.	14.9	83
8	Precise Sub-Angstrom Ion Separation Using Conjugated Microporous Polymer Membranes. <i>ACS Nano</i> , 2021, 15, 11970-11980.	14.6	46
9	The Ionic Liquid-H ₂ O Interface: A New Platform for the Synthesis of Highly Crystalline and Molecular Sieving Covalent Organic Framework Membranes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36507-36516.	8.0	31
10	Continuous electrical pumping membrane process for seawater lithium mining. <i>Energy and Environmental Science</i> , 2021, 14, 3152-3159.	30.8	98
11	Tailored pore size and microporosity of covalent organic framework (COF) membranes for improved molecular separation. , 2021, 1, 100008.		6
12	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
13	Weakly Humidity-Dependent Proton-Conducting COF Membranes. <i>Advanced Materials</i> , 2020, 32, e2005565.	21.0	201
14	De Novo Design of Covalent Organic Framework Membranes toward Ultrafast Anion Transport. <i>Advanced Materials</i> , 2020, 32, e2001284.	21.0	130
15	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
16	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