

Xiaoyao Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Scalable Fabrication of Crystalline COF Membranes from Amorphous Polymeric Membranes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18051-18058.	13.8	81
2	Assembling covalent organic framework membranes with superior ion exchange capacity. <i>Nature Communications</i> , 2022, 13, 1020.	12.8	79
3	<i>110th Anniversary:</i> Mixed Matrix Membranes with Fillers of Intrinsic Nanopores for Gas Separation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 7706-7724.	3.7	54
4	Amino-functionalized ZIF-7 embedded polymers of intrinsic microporosity membrane with enhanced selectivity for biogas upgrading. <i>Journal of Membrane Science</i> , 2020, 602, 117970.	8.2	53
5	Assembling covalent organic framework membranes via phase switching for ultrafast molecular transport. <i>Nature Communications</i> , 2022, 13, .	12.8	42
6	Exfoliation-free layered double hydroxides laminates intercalated with amino acids for enhanced CO2 separation of mixed matrix membrane. <i>Journal of Membrane Science</i> , 2021, 618, 118691.	8.2	38
7	Three-dimensional covalent organic framework membrane for efficient proton conduction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17720-17723.	10.3	32
8	Charged Nanochannels in Covalent Organic Framework Membranes Enabling Efficient Ion Exclusion. <i>ACS Nano</i> , 2022, 16, 11781-11791.	14.6	32
9	Efficient ethylene/ethane separation through ionic liquid-confined covalent organic framework membranes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5420-5429.	10.3	29
10	Highly Proton Conductive Phosphoric Acid Porous Organic Polymers via Knitting Method. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 6337-6343.	3.7	10
11	Scalable Fabrication of Crystalline COF Membranes from Amorphous Polymeric Membranes. <i>Angewandte Chemie</i> , 2021, 133, 18199-18206.	2.0	7