

Yanying Wei

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

3,556

citations

28

h-index

59

g-index

77

ext. papers

4,699

ext. citations

8.5

avg, IF

5.96

L-index

#	Paper	IF	Citations
68	MXene molecular sieving membranes for highly efficient gas separation. <i>Nature Communications</i> , 2018 , 9, 155	17.4	530
67	A Two-Dimensional Lamellar Membrane: MXene Nanosheet Stacks. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1825-1829	16.4	518
66	Effective ion sieving with Ti ₃ C ₂ T _x MXene membranes for production of drinking water from seawater. <i>Nature Sustainability</i> , 2020 , 3, 296-302	22.1	204
65	Water Transport with Ultralow Friction through Partially Exfoliated g-C ₃ N ₄ Nanosheet Membranes with Self-Supporting Spacers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8974-8980	16.4	177
64	Paralyzed membrane: Current-driven synthesis of a metal-organic framework with sharpened propene/propane separation. <i>Science Advances</i> , 2018 , 4, eaau1393	14.3	132
63	Ultra-Tuning of the Aperture Size in Stiffened ZIF-8 _n Frameworks with Mixed-Linker Strategy for Enhanced CO ₂ /CH ₄ Separation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 327-331	16.4	127
62	Self-Crosslinked MXene (TiCT) Membranes with Good Antiswelling Property for Monovalent Metal Ion Exclusion. <i>ACS Nano</i> , 2019 , 13, 10535-10544	16.7	126
61	Oppositely Charged Ti ₃ C ₂ T _x MXene Membranes with 2D Nanofluidic Channels for Osmotic Energy Harvesting. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8720-8726	16.4	88
60	A Two-Dimensional Lamellar Membrane: MXene Nanosheet Stacks. <i>Angewandte Chemie</i> , 2017 , 129, 1851-1855	16.75	75
59	Antibiotics Separation with MXene Membranes Based on Regularly Stacked High-Aspect-Ratio Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9751-9756	16.4	67
58	Innentitelbild: Fein-Tuning der Porengröße in versteiften ZIF-8 _n -Gerüsten durch eine Mixed-Linker-Strategie für verbesserte permeative CO ₂ /CH ₄ -Trennung (Angew. Chem. 1/2019). <i>Angewandte Chemie</i> , 2019 , 131, 2-2	3.6	61
57	Selective gas diffusion in two-dimensional MXene lamellar membranes: insights from molecular dynamics simulations. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11734-11742	13	61
56	Gas to Liquids: Natural Gas Conversion to Aromatic Fuels and Chemicals in a Hydrogen-Permeable Ceramic Hollow Fiber Membrane Reactor. <i>ACS Catalysis</i> , 2016 , 6, 2448-2451	13.1	60
55	A Dual-Phase Ceramic Membrane with Extremely High H ₂ Permeation Flux Prepared by Autoseparation of a Ceramic Precursor. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10895-8	16.4	55
54	Ultra-thin titanium carbide (MXene) sheet membranes for high-efficient oil/water emulsions separation. <i>Journal of Membrane Science</i> , 2019 , 592, 117361	9.6	54
53	Preparation and oxygen permeation of U-shaped perovskite hollow-fiber membranes. <i>AIChE Journal</i> , 2011 , 57, 975-984	3.6	54
52	Introduction of metal precursors by electrodeposition for the in situ growth of metal-organic framework membranes on porous metal substrates. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1948-1951	13	49

51	Flexible Polypropylene-Supported ZIF-8 Membranes for Highly Efficient Propene/Propane Separation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20915-20919	16.4	46
50	Two-dimensional MXene membrane for ethanol dehydration. <i>Journal of Membrane Science</i> , 2019 , 590, 117300	9.6	44
49	Self-Sacrificial Template Strategy Coupled with Smart in Situ Seeding for Highly Oriented Metal-Organic Framework Layers: From Films to Membranes. <i>Chemistry of Materials</i> , 2017 , 29, 7103-7107	9.6	41
48	Oxygen permeation through a CO ₂ -tolerant mixed conducting oxide (Pr _{0.9} La _{0.1}) ₂ (Ni _{0.74} Cu _{0.21} Ga _{0.05})O _{4+δ} . <i>AIChE Journal</i> , 2012 , 58, 2473-2478	3.6	38
47	Oxygen separation through U-shaped hollow fiber membrane using pure CO ₂ as sweep gas. <i>AIChE Journal</i> , 2012 , 58, 2856-2864	3.6	37
46	Balancing the Grain Boundary Structure and the Framework Flexibility through Bimetallic Metal-Organic Framework (MOF) Membranes for Gas Separation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9582-9586	16.4	37
45	A CO ₂ -stable hollow-fiber membrane with high hydrogen permeation flux. <i>AIChE Journal</i> , 2015 , 61, 1997-2007	3.6	36
44	Oppositely Charged Ti ₃ C ₂ T _x MXene Membranes with 2D Nanofluidic Channels for Osmotic Energy Harvesting. <i>Angewandte Chemie</i> , 2020 , 132, 8798-8804	3.6	34
43	Highly efficient H ₂ /CO ₂ separation via an ultrathin metal-organic framework membrane. <i>Chemical Engineering Science</i> , 2018 , 182, 180-188	4.4	33
42	Hydrogen permeability and stability of BaCe _{0.85} Tb _{0.05} Zr _{0.1} O _{3-δ} asymmetric membranes. <i>Journal of Membrane Science</i> , 2015 , 488, 173-181	9.6	30
41	Enhanced stability of Zr-doped Ba(CeTb)O _{3-δ} -Ni cermet membrane for hydrogen separation. <i>Chemical Communications</i> , 2015 , 51, 11619-21	5.8	28
40	Niobium and molybdenum co-doped La _{5.5} WO _{11.25} membrane with improved hydrogen permeability. <i>Journal of Membrane Science</i> , 2016 , 510, 155-163	9.6	28
39	Oxygen Permeation through U-Shaped K ₂ NiF ₄ -Type Oxide Hollow-Fiber Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 12727-12734	3.9	25
38	Water Transport with Ultralow Friction through Partially Exfoliated g-C ₃ N ₄ Nanosheet Membranes with Self-Supporting Spacers. <i>Angewandte Chemie</i> , 2017 , 129, 9102-9108	3.6	24
37	Tuning the separation performance of hydrogen permeable membranes using an anion doping strategy. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20482-20490	13	23
36	Oxidative Coupling of Methane with High C ₂ Yield by using Chlorinated Perovskite Ba _{0.5} Sr _{0.5} Fe _{0.2} Co _{0.8} O _{3-δ} as Catalyst and N ₂ O as Oxidant. <i>ChemCatChem</i> , 2010 , 2, 1539-1542	5.2	23
35	Partial oxidation of methane in hollow-fiber membrane reactors based on alkaline-earth metal-free CO ₂ -tolerant oxide. <i>AIChE Journal</i> , 2014 , 60, 3587-3595	3.6	22
34	Adsorption and separation of propane/propylene on various ZIF-8 polymorphs: Insights from GCMC simulations and the ideal adsorbed solution theory (IAST). <i>Chemical Engineering Journal</i> , 2020 , 386, 123945	14.7	21

33	Fast electrophoretic preparation of large-area two-dimensional titanium carbide membranes for ion sieving. <i>Chemical Engineering Journal</i> , 2021 , 408, 127806	14.7	20
32	A Lamellar MXene (Ti ₃ C ₂ T _x)/PSS Composite Membrane for Fast and Selective Lithium-Ion Separation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22265-22269	16.4	18
31	High oxygen permeation through A-site deficient K ₂ NiF ₄ -type oxide hollow-fiber membrane. <i>Ceramics International</i> , 2018 , 44, 10852-10857	5.1	15
30	CO ₂ -tolerant U-shaped hollow fiber membranes for hydrogen separation. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 4208-4215	6.7	15
29	Solvent-free route for metal-organic framework membranes growth aiming for efficient gas separation. <i>AIChE Journal</i> , 2019 , 65, 712-722	3.6	15
28	Fein-Tuning der Porengröße in versteiften ZIF-8-Cm-Geräten durch eine Mixed-Linker-Strategie für verbesserte permeative CO ₂ /CH ₄ -Trennung. <i>Angewandte Chemie</i> , 2019 , 131, 333-337	3.6	14
27	Oxy-fuel combustion for CO ₂ capture using a CO ₂ -tolerant oxygen transporting membrane. <i>AIChE Journal</i> , 2013 , 59, 3856-3862	3.6	13
26	U-Shaped BaCo _{0.7} Fe _{0.2} Ta _{0.1} O ₃ Hollow-Fiber Membranes with High Permeation for Oxygen Separation. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 15217-15223	3.9	13
25	Hydrogen permeability through Nd _{5.5} W _{0.35} Mo _{0.5} Nb _{0.15} O _{11.25} -mixed protonic-electronic conducting membrane. <i>Journal of Membrane Science</i> , 2019 , 579, 33-39	9.6	12
24	CO ₂ -tolerant Ni-La _{5.5} W _{0.45} Nb _{0.15} Mo _{0.4} O _{11.25} -dual-phase membranes with enhanced H ₂ permeability. <i>Ceramics International</i> , 2017 , 43, 14608-14615	5.1	12
23	Effect of Pt layer on the hydrogen permeation property of La _{5.5} W _{0.45} Nb _{0.15} Mo _{0.4} O _{11.25} -membrane. <i>Journal of Membrane Science</i> , 2018 , 552, 61-67	9.6	11
22	Recent progress of two-dimensional nanosheet membranes and composite membranes for separation applications. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 15, 793-819	4.5	11
21	Effect of the La/W ratio in lanthanum tungstate on the structure, stability and hydrogen permeation properties. <i>Journal of Membrane Science</i> , 2017 , 542, 300-306	9.6	10
20	Phase-inversion synthesise of asymmetric-structured La _{5.5} W _{0.6} Mo _{0.4} O _{11.25} -membranes with enhanced hydrogen permeation flux. <i>Journal of Alloys and Compounds</i> , 2017 , 729, 890-896	5.7	9
19	Antibiotics Separation with MXene Membranes Based on Regularly Stacked High-Aspect-Ratio Nanosheets. <i>Angewandte Chemie</i> , 2020 , 132, 9838-9843	3.6	7
18	Fast fabrication of freestanding MXene-ZIF-8 dual-layered membranes for H ₂ /CO ₂ separation. <i>Journal of Membrane Science</i> , 2022 , 642, 119982	9.6	7
17	Modeling of U-shaped Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ hollow-fiber membrane for oxygen permeation. <i>Chinese Journal of Chemical Engineering</i> , 2017 , 25, 892-897	3.2	6
16	Eine zweiphasige Keramikmembran mit extrem hohem Wasserstoff-Fluss durch Entmischung einer keramischen Vorstufe. <i>Angewandte Chemie</i> , 2016 , 128, 11055-11058	3.6	4

15	A Lamellar MXene (Ti ₃ C ₂ T _x)/PSS Composite Membrane for Fast and Selective Lithium-Ion Separation. <i>Angewandte Chemie</i> , 2021 , 133, 22439-22443	3.6	4
14	Oxygen permeability and structural stability of a novel tantalum-doped perovskite BaCo _{0.7} Fe _{0.2} Ta _{0.1} O ₃ . <i>AIChE Journal</i> , 2009 , 56, NA-NA	3.6	3
13	Identical Composition and Distinct Performance: How ZIF-8 Polymorphs Structures Affect the Adsorption/Separation of Ethane and Ethene. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 3483-3492	2.8	3
12	Ceramic Membranes with Mixed Ionic and Electronic Conductivity 2016 , 75-103		2
11	Supported MXene/GO Composite Membranes with Suppressed Swelling for Metal Ion Sieving. <i>Membranes</i> , 2021 , 11,	3.8	2
10	Porous Stainless Steel Hollow Fiber-Supported ZIF-8 Membranes via FCDS for Hydrogen/Carbon Dioxide Separation. <i>Separation and Purification Technology</i> , 2022 , 121365	8.3	1
9	MXene Membranes for Salinity Gradient Energy Conversion 2022 , 157-173		
8	Types of 2D Material-Based Membranes 2022 , 9-24		
7	MXene Membranes for Ion Separation 2022 , 105-128		
6	MXene Membranes for Nanofiltration 2022 , 43-59		
5	MXene Membranes for the Isolation of Antibiotics 2022 , 61-88		
4	MXene Nanosheets and Membranes 2022 , 25-42		
3	Scale-Up of MXene Membranes 2022 , 175-195		
2	MXene -Based Membranes for Gas Separation 2022 , 89-104		
1	MXene Membrane for Oil/Water Emulsion Separation 2022 , 129-155		