

# Yan Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

611  
citations

567281

15  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of two-dimensional Ag/WS <sub>2</sub> hybrid membranes with self-cleaning ability by photocatalysis for efficient water filtration. <i>Journal of Membrane Science</i> , 2022, 641, 119865.	8.2	13
2	ZIF-8 channeled and coordination-bridging two-dimensional WS <sub>2</sub> membrane for efficient organic solvent nanofiltration. <i>Chemical Engineering Journal</i> , 2022, 442, 136139.	12.7	20
3	Facile fabrication of COF-LZU1/PES composite membrane via interfacial polymerization on microfiltration substrate for dye/salt separation. <i>Journal of Membrane Science</i> , 2021, 618, 118706.	8.2	93
4	Influence of Cr doping on hydrogen permeation performance of lanthanum tungstate membrane. <i>Separation and Purification Technology</i> , 2021, 262, 118333.	7.9	9
5	Development of Mn and Mo double-substituted La <sub>5.5</sub> WO <sub>11.25</sub> · $\frac{1}{2}$ based membranes with enhanced hydrogen permeation flux. <i>Journal of the European Ceramic Society</i> , 2021, 41, 5711-5720.	5.7	4
6	Amorphous TiO <sub>2</sub> Bridges Stabilized WS <sub>2</sub> Membranes with Excellent Filtration Stability and Photocatalysis-Driving Self-Cleaning Ability. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58076-58084.	8.0	9
7	Layer-by-layer assembled GO-based membranes with high long-standing stability and chemical resistance applied in dye separation and desalination. <i>2D Materials</i> , 2020, 7, 045016.	4.4	9
8	Two-dimensional Montmorillonite membranes with efficient water filtration. <i>Journal of Membrane Science</i> , 2020, 614, 118540.	8.2	33
9	Effect of Ba non-stoichiometry in Ba <sub>1-x</sub> Zr <sub>0.1</sub> Ce <sub>0.7</sub> Y <sub>0.2</sub> O <sub>3</sub> · $\frac{1}{2}$ on its structure defect, sinterability and hydrogen permeability. <i>Ceramics International</i> , 2020, 46, 19564-19573.	4.8	18
10	Two-dimensional WS <sub>2</sub> membranes constructed on different substrates for efficient dye desalination. <i>Desalination</i> , 2020, 480, 114380.	8.2	25
11	Hybrid 2D WS <sub>2</sub> /GO nanofiltration membranes for finely molecular sieving. <i>Journal of Membrane Science</i> , 2019, 591, 117308.	8.2	50
12	Cr doped mesoporous silica spheres for propane dehydrogenation in the presence of CO <sub>2</sub> : Effect of Cr adding time in sol-gel process. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 69-77.	4.4	45
13	Hydrogen permeability through Nd <sub>5.5</sub> WO <sub>0.35</sub> Mo <sub>0.5</sub> Nb <sub>0.15</sub> O <sub>11.25</sub> · $\frac{1}{2}$ mixed protonic-electronic conducting membrane. <i>Journal of Membrane Science</i> , 2019, 579, 33-39.	8.2	24
14	Highly Stable and Antibacterial Two-dimensional Tungsten Disulfide Lamellar Membrane for Water Filtration. <i>ChemSusChem</i> , 2019, 12, 275-282.	6.8	38
15	Effect of Pt layer on the hydrogen permeation property of La <sub>5.5</sub> W <sub>0.45</sub> Nb <sub>0.15</sub> Mo <sub>0.4</sub> O <sub>11.25</sub> · $\frac{1}{2}$ membrane. <i>Journal of Membrane Science</i> , 2018, 552, 61-67.	8.2	16
16	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.	8.2	18
17	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.	11.2	70
18	Niobium and molybdenum co-doped La <sub>5.5</sub> WO <sub>11.25</sub> · $\frac{1}{2}$ membrane with improved hydrogen permeability. <i>Journal of Membrane Science</i> , 2016, 510, 155-163.	8.2	37

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19	A CO <sub>2</sub> -stable hollow-fiber membrane with high hydrogen permeation flux. AICHE Journal, 2015, 61, 1997-2007.	3.6	45
20	Enhanced stability of Zr-doped Ba(CeTb)O <sub>3</sub> -Ni cermet membrane for hydrogen separation. Chemical Communications, 2015, 51, 11619-11621.	4.1	35