

Jing Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

917
citations

687363

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996975

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15
all docs

15
docs citations

15
times ranked

1113
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-layer graphene membranes by crack-free transfer for gas mixture separation. Nature Communications, 2018, 9, 2632.	12.8	160
2	Etching gas-sieving nanopores in single-layer graphene with an angstrom precision for high-performance gas mixture separation. Science Advances, 2019, 5, eaav1851.	10.3	151
3	Incorporating Zwitterionic Graphene Oxides into Sodium Alginate Membrane for Efficient Water/Alcohol Separation. ACS Applied Materials & Interfaces, 2016, 8, 2097-2103.	8.0	113
4	Two-Dimensional-Material Membranes: Manipulating the Transport Pathway for Molecular Separation. Accounts of Materials Research, 2021, 2, 114-128.	11.7	89
5	High-Performance CO ₂ Capture through Polymer-Based Ultrathin Membranes. Advanced Functional Materials, 2019, 29, 1900735.	14.9	70
6	Manipulation of interactions at membrane interfaces for energy and environmental applications. Progress in Polymer Science, 2018, 80, 125-152.	24.7	56
7	Facilitated water-selective permeation via PEGylation of graphene oxide membrane. Journal of Membrane Science, 2018, 567, 311-320.	8.2	49
8	Ultrafast water-selective permeation through graphene oxide membrane with water transport promoters. AIChE Journal, 2020, 66, e16812.	3.6	44
9	Synergistic CO ₂ Sieving from Polymer with Intrinsic Microporosity Masking Nanoporous Single-Layer Graphene. Advanced Functional Materials, 2020, 30, 2003979.	14.9	43
10	Hydrogen sieving from intrinsic defects of benzene-derived single-layer graphene. Carbon, 2019, 153, 458-466.	10.3	40
11	Precisely Controlling Nanochannels of Graphene Oxide Membranes through Lignin-Based Cation Decoration for Dehydration of Biofuels. ChemSusChem, 2018, 11, 2315-2320.	6.8	33
12	Exclusive and fast water channels in zwitterionic graphene oxide membrane for efficient water-ethanol separation. AIChE Journal, 2021, 67, e17215.	3.6	24
13	Ultrathin Membranes with a Polymer/Nanofiber Interpenetrated Structure for High-Efficiency Liquid Separations. ACS Applied Materials & Interfaces, 2019, 11, 36717-36726.	8.0	21
14	Designing highly selective and stable water transport channel through graphene oxide membranes functionalized with polyhedral oligomeric silsesquioxane for ethanol dehydration. Journal of Membrane Science, 2021, 638, 119675.	8.2	14
15	Facile construction of polyzwitterion membrane via assembly of graphene oxide-based core-brush nanosheet for high-efficiency water permeation. Journal of Membrane Science, 2022, 644, 120150.	8.2	10