

Ultrathin, Molecular-Sieving Graphene Oxide Membranes for Separation

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Citation Report

#	ARTICLE	IF	CITATIONS
5	Layer-by-Layer Assembly of Graphene Oxide Nanosheets on Polyamide Membranes for Durable Reverse-Osmosis Applications. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12510-12519.	4.0	471
6	Synthesis, Properties and Potential Applications of Porous Graphene: A Review. <i>Nano-Micro Letters</i> , 2013, 5, 260-273.	14.4	87
7	Selectivity and self-diffusion of CO ₂ and H ₂ in a mixture on a graphite surface. <i>Frontiers in Chemistry</i> , 2013, 1, 38.	1.8	24
8	Bullet-proof armour and hydrogen sieve add to graphene's promise. <i>Nature</i> , 2014, , .	13.7	0
9	Electricity generation and local ion ordering induced by cation-controlled selective anion transportation through graphene oxide membranes. <i>2D Materials</i> , 2014, 1, 034004.	2.0	4
10	Pressed graphite crystals as gas separation membrane for steam reforming of ethanol. <i>Journal of Membrane Science</i> , 2014, 469, 284-291.	4.1	17
11	Effect of oxygen adsorption on the electrochemical oxidative corrosion of single-walled carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 53833-53836.	1.7	4
13	Proton transport through one-atom-thick crystals. <i>Nature</i> , 2014, 516, 227-230.	13.7	668
14	Metal-organic framework nanosheets as building blocks for molecular sieving membranes. <i>Science</i> , 2014, 346, 1356-1359.	6.0	1,432
15	Self-assembled graphene oxide microcapsules with adjustable permeability and yolk-shell superstructures derived from atomized droplets. <i>Chemical Communications</i> , 2014, 50, 15867-15869.	2.2	29
17	Implications of Permeation through Intrinsic Defects in Graphene on the Design of Defect-Tolerant Membranes for Gas Separation. <i>ACS Nano</i> , 2014, 8, 841-849.	7.3	185
18	A Uniformly Oriented MFI Membrane for Improved CO ₂ Separation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3492-3495.	7.2	132
19	Selective Ionic Transport through Tunable Subnanometer Pores in Single-Layer Graphene Membranes. <i>Nano Letters</i> , 2014, 14, 1234-1241.	4.5	687
20	One-step solvent exfoliation of graphite to produce a highly-sensitive electrochemical sensor for tartrazine. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 104-108.	4.0	31
21	Ultimate Permeation Across Atomically Thin Porous Graphene. <i>Science</i> , 2014, 344, 289-292.	6.0	738
22	Incorporating Polyoxometalates into a Porous MOF Greatly Improves Its Selective Adsorption of Cationic Dyes. <i>Chemistry - A European Journal</i> , 2014, 20, 6927-6933.	1.7	237
23	A facile way to prepare ceramic-supported graphene oxide composite membrane via silane-graft modification. <i>Applied Surface Science</i> , 2014, 307, 631-637.	3.1	159
24	The mechanism of selective molecular capture in carbon nanotube networks. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14894-14898.	1.3	1

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25	The platform effect of graphene oxide on CO ₂ transport on copper nanocomposites in ionic liquids. <i>Chemical Engineering Journal</i> , 2014, 251, 343-347.	6.6	17
26	A Graphene Oxide Membrane with Highly Selective Molecular Separation of Aqueous Organic Solution. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6929-6932.	7.2	409
27	Understanding Water Permeation in Graphene Oxide Membranes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5877-5883.	4.0	415
28	Computational prediction of experimentally possible g-C ₃ N ₃ monolayer as hydrogen purification membrane. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5037-5042.	3.8	76
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31	Quantum Mechanical Basis for Kinetic Diameters of Small Gaseous Molecules. <i>Journal of Physical Chemistry A</i> , 2014, 118, 1150-1154.	1.1	212
32	Membranes with Fast and Selective Gas Transport Channels of Lamellar Graphene Oxide for Efficient CO ₂ Capture. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 578-582.	7.2	184
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37	In situ formation of LDH membranes of different microstructures with molecular sieve gas selectivity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5716-5723.	5.2	71
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42	Efficient dehydration of the organic solvents through graphene oxide (GO)/ceramic composite membranes. <i>RSC Advances</i> , 2014, 4, 52012-52015.	1.7	54

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44	Deriving a CO ₂ -Permselective Carbon Membrane from a Multilayered Matrix of Polyion Complexes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10220-10230.	4.0	16
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47	The Effect of Thermal Reduction on the Water Vapor Permeation in Graphene Oxide Membranes. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400250.	1.9	47
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59	Influence of polybenzimidazole main chain structure on H ₂ /CO ₂ separation at elevated temperatures. <i>Journal of Membrane Science</i> , 2014, 461, 59-68.	4.1	94
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