

# Selective Gas Transport Through Few-Layered Graphene

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Citation Report

#	ARTICLE	IF	CITATIONS
6	Layer-by-Layer Assembly of Graphene Oxide Nanosheets on Polyamide Membranes for Durable Reverse-Osmosis Applications. ACS Applied Materials & Interfaces, 2013, 5, 12510-12519.	4.0	471
7	Synthesis, Properties and Potential Applications of Porous Graphene: A Review. Nano-Micro Letters, 2013, 5, 260-273.	14.4	87
8	Selectivity and self-diffusion of CO <sub>2</sub> and H <sub>2</sub> in a mixture on a graphite surface. Frontiers in Chemistry, 2013, 1, 38.	1.8	24
9	Electricity generation and local ion ordering induced by cation-controlled selective anion transportation through graphene oxide membranes. 2D Materials, 2014, 1, 034004.	2.0	4
10	Mass Transport Mechanism of Cu Species at the Metal/Dielectric Interfaces with a Graphene Barrier. ACS Nano, 2014, 8, 12601-12611.	7.3	55
11	Effect of oxygen adsorption on the electrochemical oxidative corrosion of single-walled carbon nanotubes. RSC Advances, 2014, 4, 53833-53836.	1.7	4
13	Proton transport through one-atom-thick crystals. Nature, 2014, 516, 227-230.	13.7	668
14	Direct Observation of Atomic Dynamics and Silicon Doping at a Topological Defect in Graphene. Angewandte Chemie - International Edition, 2014, 53, 8908-8912.	7.2	37
15	Self-assembled graphene oxide microcapsules with adjustable permeability and yolk-shell superstructures derived from atomized droplets. Chemical Communications, 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. ACS Nano, 2014, 8, 841-849.	7.3	185
18	Electric fields line up graphene oxide. Nature Materials, 2014, 13, 325-326.	13.3	66
19	Selective Ionic Transport through Tunable Subnanometer Pores in Single-Layer Graphene Membranes. Nano Letters, 2014, 14, 1234-1241.	4.5	687
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22	A facile way to prepare ceramic-supported graphene oxide composite membrane via silane-graft modification. Applied Surface Science, 2014, 307, 631-637.	3.1	159
23	The mechanism of selective molecular capture in carbon nanotube networks. Physical Chemistry Chemical Physics, 2014, 16, 14894-14898.	1.3	1
24	The platform effect of graphene oxide on CO <sub>2</sub> transport on copper nanocomposites in ionic liquids. Chemical Engineering Journal, 2014, 251, 343-347.	6.6	17
25	A Graphene Oxide Membrane with Highly Selective Molecular Separation of Aqueous Organic Solution. Angewandte Chemie - International Edition, 2014, 53, 6929-6932.	7.2	409

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27	Highly soluble polyetheramine-functionalized graphene oxide and reduced graphene oxide both in aqueous and non-aqueous solvents. <i>Carbon</i> , 2014, 75, 149-160.	5.4	40
28	Computational prediction of experimentally possible g-C <sub>3</sub> N <sub>3</sub> monolayer as hydrogen purification membrane. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5037-5042.	3.8	76
29	Free-standing graphene oxide thin films assembled by a pressurized ultrafiltration method for dehydration of ethanol. <i>Journal of Membrane Science</i> , 2014, 458, 199-208.	4.1	196
30	Intercalation of Gas Molecules in Graphene Oxide Interlayer: The Role of Water. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11142-11148.	1.5	83
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 Laminar Graphene Oxide for Efficient CO <sub>2</sub> Capture. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 578-582.	7.2	184
34	Effective recovery of acids from iron-based electrolytes using graphene oxide membrane filters. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7734-7737.	5.2	39
35	High-performance CO <sub>2</sub> -philic graphene oxide membranes under wet-conditions. <i>Chemical Communications</i> , 2014, 50, 13563-13566.	2.2	105
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