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Graphene oxide membranes with stable porous structure for ultrafast water transport

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188	An Overview of Functionalized Graphene Nanomaterials for Advanced Applications. 2021 , 11,		8
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184	A Highly Robust Ionotronic Fiber with Unprecedented Mechanomodulation of Ionic Conduction. 2021 , 33, e2103755		13
183	The open membrane database: Synthesis-structure-performance relationships of reverse osmosis membranes. 2021 , 119927		12
182	Chemically Laminating Graphene Oxide Nanosheets with Phenolic Nanomeshes for Robust Membranes with Fast Desalination. 2021 , 21, 8236-8243		5
181	Ice-crystal templating approach for tailoring mass transfer channels in graphene oxide membranes for high-performance dye/salt separation. 2021 , 183, 119-127		6
180	Surface modification with oxygen vacancy in LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ for lithium-ion batteries. 2021 , 881, 160626		3
179	Engineering multi-pathway graphene oxide membranes toward ultrafast water purification. 2021 , 638, 119706		6
178	Facile preparation of polyvinylidene fluoride substrate supported thin film composite polyamide nanofiltration: Effect of substrate pore size. 2021 , 638, 119699		29
177	Thermally-induced pore size tuning of multilayer nanoporous graphene for organic solvent nanofiltration. 2021 , 637, 119620		6
176	Controlling assembly behaviors of laminar GO membranes in organic solvents by altering GO-solvent interactions. 2021 , 640, 119841		2

175	Graphene oxide/silica composite nanofiltration membrane: Adjustment of the channel of water permeation. 2022 , 278, 119440	7
174	Covalent triazine framework nanoribbons via polar Solvent-induced fragmentation for ultrafast and Solar-cleaning membrane separation. 2022 , 429, 132401	4
173	Simulation study on real laminar assembly of g-C ₃ N ₄ high performance free standing membrane with bio-based materials. 2022 , 278, 119598	1
172	Construction of two-dimensional Ag/WS ₂ hybrid membranes with self-cleaning ability by photocatalysis for efficient water filtration. 2022 , 641, 119865	1
171	Contemporary antibiofouling modifications of reverse osmosis membranes: State-of-the-art insights on mechanisms and strategies. 2022 , 429, 132400	4
170	Microscopically tuning the graphene oxide framework for membrane separations: a review. 2021 , 3, 5265-5276	1
169	Nafion-threaded MOF laminar membrane with efficient and stable transfer channels towards highly enhanced proton conduction. 1	0
168	Acid-Resistance and Self-Repairing Supramolecular Nanoparticle Membranes via Hydrogen-Bonding for Sustainable Molecules Separation. 2021 , 8, e2102594	7
167	2D Material Nanofiltration Membranes: From Fundamental Understandings to Rational Design. 2021 , 8, e2102493	6
166	Recent progress on adsorption and membrane separation for organic contaminants on multi-dimensional graphene. 2021 , 22, 100603	3
165	Recent advances in application of the graphene-based membrane for water purification. 2021 , 22, 100597	6
164	Two-Dimensional Nanofluidic Membranes toward Harvesting Salinity Gradient Power. 2021 , 54, 4154-4165	8
163	Development of high-performance and robust membrane via Hard-crosslinking-soft technique for dehydration of acetic acid. 2022 , 643, 120033	1
162	Ionic strength directed self-assembled polyelectrolyte single-bilayer membrane for low-pressure nanofiltration. 1	1
161	Polydopamine-coated graphene oxide nanosheets embedded in sulfonated poly(ether sulfone) hybrid UF membranes with superior antifouling properties for water treatment. 2021 , 433, 133526	1
160	Two-dimensional sub-nanometer confinement channels enabled by functional carbon dots for ultra-permeable alcohol dehydration. 2021 , 644, 120069	1
159	Engineering robust RGO/PVA composite membrane for acid recovery via electron beam irradiation. 2021 , 191, 243-243	1
158	Gravity-driven layered double hydroxide nanosheet membrane activated peroxydisulfate system for micropollutant degradation. 2021 , 425, 127988	5

157	Nano-Interlayers Fabricated via Interfacial Azo-Coupling Polymerization: Effect of Pore Properties of Interlayers on Overall Performance of Thin-Film Composite for Nanofiltration. 2021 ,	0
156	Tailoring of polysulfate/polyvinylpyrrolidone membrane structure via NIPS coupled physical aging technique for high-performance dye/salt separation. 2021 , 283, 120163	1
155	Tailored design of nanofiltration membranes for water treatment based on synthesis-property-performance relationships.. 2021 ,	19
154	Solar-catalytic membranes constructed by graphene oxide and prussian blue@covalent triazine framework [Active mega cubes]For ultrafast water transport. 2022 , 644, 120156	0
153	Dual-site supported graphene oxide membrane with enhanced permeability and selectivity. 2022 , 646, 120223	0
152	Two-dimensional nanoporous and lamellar membranes for water purification: Reality or a myth?. 2022 , 432, 134335	3
151	Thin-Film Composite Membranes with a Hybrid Dimensional Titania Interlayer for Ultrapervious Nanofiltration.. 2022 ,	1
150	Environmental applications of graphene oxide composite membranes. 2022 ,	2
149	Atomically Thin Graphene for a Membrane-Based Total Organic Carbon Analyzer.	
148	General synthesis of ultrafine metal oxide/reduced graphene oxide nanocomposites for ultrahigh-flux nanofiltration membrane.. 2022 , 13, 471	7
147	Synthetic Origin-Dependent catalytic activity of Metal-Organic Frameworks: Unprecedented demonstration with ZIF-8 on CO ₂ cycloaddition reaction. 2022 , 435, 134964	2
146	Ultrahigh-permeance functionalized boron nitride membrane for nanoconfined heterogeneous catalysis. 2022 ,	2
145	Tailor-made microstructures lead to high-performance robust PEO membrane for CO ₂ capture via green fabrication technique. 2022 ,	1
144	Stress driven micron- and nano-scale wrinkles as a new class of transport pathways of two-dimensional lamellar membranes towards molecular separation. 2022 , 648, 120354	2
143	pH-responsive laminar WSe ₂ membrane with photocatalytic antifouling property for ultrafast water transport. 2022 , 435, 135159	3
142	The Effect of Zeolitic Imidazole Framework-8@Graphene Oxide on the Performance of Polymeric Membranes Used for Wastewater Treatment. 2022 , 225-252	
141	Ultrafast Macroscopic Assembly of High-Strength Graphene Oxide Membranes by Implanting an Interlaminar Superhydrophilic Aisle.. 2022 ,	1
140	Ionic Control of Functional Zeolitic Imidazolate Framework-Based Membrane for Tailoring Selectivity toward Target Ions.. 2022 ,	3

139	MOF -801 polycrystalline membrane with sub-10 μ m polymeric assembly layer for ion sieving and flow battery storage.	0
138	ZIF-8 channeled and coordination-bridging two-dimensional WS ₂ membrane for efficient organic solvent nanofiltration. 2022 , 136139	2
137	Advancing Strategies of Biofouling Control in Water-Treated Polymeric Membranes.. 2022 , 14,	1
136	Recent developments in polymeric nano-based separation membranes. 2022 , 2, 254-267	0
135	Biomimic Heterostructured Graphene Oxide Membranes via Supramolecular-Mediated Intercalation Assembly for Efficient Water Transport.. 2022 , e2200461	0
134	Hydrogen-Bonding Affords Sustainable Plastics with Ultrahigh Robustness and Water-assisted Arbitrarily Shape Engineering.. 2022 , e2201065	10
133	Secondary-assembled defect-free MOF membrane via triple-needle electrostatic atomization for highly stable and selective organics permeation. 2022 , 648, 120382	0
132	Tailoring the physicochemical and geometric properties of two-dimensional graphene membranes for aqueous separation. 2022 , 530, 115621	0
131	Leaf-veins-inspired nickel phosphate nanotubes-reduced graphene oxide composite membranes for ultrafast organic solvent nanofiltration. 2022 , 649, 120401	0
130	Two-step hierarchical crosslinking to construct acid-resistance membrane for pervaporation dehydration of artificial esterification reaction. 2022 , 649, 120396	1
129	Build up Highway μ n membrane via solvothermal annealing for high-efficient CO ₂ capture. 2022 , 652, 120444	1
128	Chemical vapor deposition of guest-host dual metal-organic framework heterosystems for high-performance mixed matrix membranes. 2022 , 27, 101462	0
127	Highly stable membrane comprising MOF nanosheets and graphene oxide for ultra-permeable nanofiltration. 2022 , 652, 120479	0
126	Recent advances in membrane-enabled water desalination by 2D frameworks: Graphene and beyond. 2022 , 531, 115684	9
125	Enhanced molecular transport in two-dimensional nanoconfined ionic liquids. 2022 , 27, 101458	1
124	Data-Driven Design of Nanopore Graphene for Water Desalination. 2021 , 125, 27685-27692	2
123	Advances in graphene oxide membranes for water treatment. 1	7
122	Controlled Synthesis of Perforated Oxide Nanosheets with High Density Nanopores Showing Superior Water Purification Performance.. 2022 ,	2

121	Alternating electric field-based ionic control and layer-by-layer assembly of anion exchange membranes for enhancing target anion selectivity. 2022 , 533, 115773	0
120	Two-Dimensional Mww-Type Zeolite Membranes for Efficient Dye Separation And Water Purification.	
119	Space-confined growth of 2D MOF sheets between GO layers at room temperature for superior PDMS membrane-based ester/water separation. 2022 , 120605	0
118	Enrichment of uranium in seawater by glycine cross-linked graphene oxide membrane. 2022 , 444, 136602	0
117	Fabrication of stable polyelectrolyte complexed membrane for dye/salt separation via dynamic self-assembly coupled ice-templating technique. 2022 , 535, 115803	0
116	The coming of age of water channels for separation membranes: from biological to biomimetic to synthetic.. 2022 ,	1
115	Flexible Porous Polynorbornenes with Alkene Linkage for Decolorizing the Highly Reactive Triisocyanate in Ethyl Acetate.	
114	Aerosol capture and coronavirus spike protein deactivation by enzyme functionalized antiviral membranes. 2022 , 3,	1
113	Rise of 2D materials-based membranes for desalination. 2022 , 536, 115851	1
112	Cross-linked laminar graphene oxide membranes for wastewater treatment and desalination: A review. 2022 , 317, 115367	2
111	Sub-Nanoporous Engineered Fibrous Aerogel Molecular Sieves with Nanogating Channels for Reversible Molecular Separation. 2202173	1
110	Molecule transfer mechanism in 2D heterostructured lamellar membranes: The effects of dissolution and diffusion.	0
109	Multilayered graphene oxide membrane with precisely controlled interlayer spacing for separation of molecules with very close molecular weights. 2022 , 657, 120678	0
108	On the Temporal Selectivity of Desalination for a Porous Composite Graphenecopper Membrane (Gcum): A Molecular Dynamics Study.	
107	A Review of Advancing Two-Dimensional Material Membranes for Ultrafast and Highly Selective Liquid Separation. 2022 , 12, 2103	1
106	Recent Development in Laminar Transition Metal Dichalcogenides-based Membranes Towards Water Desalination: A Review.	1
105	Fast Synthesis of Graphene OxideLactam as a Residue-Free Environmental Bacterial Inhibitor.	
104	Porous reduced graphene oxide/phenolic nanomesh membranes with ternary channels for ultrafast water purification. 2022 , 33, 101216	1

103	Dual-layered covalent organic framework/MXene membranes with short paths for fast water treatment. 2022 , 658, 120761	0
102	Recent advances in monovalent ion selective membranes towards environmental remediation and energy harvesting. 2022 , 297, 121520	4
101	Highly efficient and rapid purification of organic dye wastewater using lignin-derived hierarchical porous carbon. 2022 , 625, 158-168	3
100	Recent advances in nanofiltration, reverse osmosis membranes and their applications in biomedical separation field. 2022 ,	1
99	Alcohols assisted in-situ growth of MoS ₂ membrane on tubular ceramic substrate for nanofiltration. 2022 , 659, 120777	
98	Simultaneous production of clean water and organic dye from dyeing wastewater by reusable lignin-derived porous carbon. 2022 , 187, 115314	0
97	Effect of coral powder on the carbonation behavior of EC2S. 2022 , 347, 128251	0
96	Fast water transport and molecular sieving through ultrathin ordered conjugated-polymer-framework membranes.	0
95	Self-assembly of stable and high-performance molecular cage-crosslinked graphene oxide membranes for contaminant removal. 2022 , 439, 129708	0
94	Two-dimensional heterogenous channels incorporated by enhanced-surface hydrophilic hollow ZIF-8 nanocrystals for ultrafast water permeation. 2022 , 661, 120943	0
93	Two-dimensional MWW-type zeolite membranes for efficient dye separation and water purification. 2022 , 541, 116023	0
92	Hollow fiber composite membranes engineered via the combination of anionic crosslinking and in-situ biomineralization for dye removal. 2022 , 179, 111587	0
91	Porous and carboxyl functionalized titanium carbide MXene sheets for fast oil-in-water emulsion separation. 2022 , 661, 120953	1
90	Rigid POSS intercalated graphene oxide membranes with hydrophilic/hydrophobic heterostructure for efficient pervaporation desalination. 2022 , 543, 116106	1
89	Unveiling the interlayers and edges predominant controlling transport pathways in laminar graphene oxide membranes via different assembly strategies. 2022 , 302, 122094	1
88	The role of driving force directions of preparation in microstructure and performance of graphene oxide membranes. 2022 , 26, 101177	0
87	Controllable Preparation of Acid and Alkali Resistant and Antifouling 3d Flower-Like UiO-66-NH ₂ /Zif-8 Imbedding Ppta Composite Nanofiltration Membrane for Dye Wastewater Separation.	0
86	Acetylcholinesterase/Ti ₃ (PO ₄) ₂ hybrid nanoflowers for electrochemical detection of dichlorvos using square-wave voltammetry.	0

- 85 Electropolymerized thin films with a microporous architecture enabling molecular sieving in harsh organic solvents under high temperature. **2022**, 10, 20101-20110 ○
- 84 Carbon nanomaterial-based membranes for water and wastewater treatment under electrochemical assistance. ○
- 83 Well-structured 3D channels within GO-based membranes enable ultrafast wastewater treatment. ○
- 82 Ultrathin Poly(Ionic Liquid) Nanomembranes for High Performance Mg²⁺ /Li⁺ Separation. 2201797 ○
- 81 Two-dimensional capillaries assembled by van der Waals heterostructures. ○
- 80 Hybrid Dimensional MXene/CNC Framework-Regulated Nanofiltration Membrane with High Separation Performance. ○
- 79 Progress of water desalination applications based on wettability and surface characteristics of graphene and graphene oxide: A review. **2022**, 32, 15-26 ○
- 78 Oxidized Carbon-Based Spacers for Pressure-Resistant Graphene Oxide Membranes. **2022**, 12, 934 ○
- 77 High water permeance and ions rejection through F-graphene oxide membrane. ○
- 76 Nanocellulose-intercalated MXene NF Membrane with Enhanced Swelling Resistance for Highly Efficient Antibiotics Separation. **2022**, 122425 1
- 75 In situ rapid versatile method for the preparation of zirconium metal-organic framework filters. ○
- 74 Bilayer Designed Paper-Based Solar Evaporator for Efficient Seawater Desalination. **2022**, 12, 3487 ○
- 73 Microporous membranes for ultrafast and energy-efficient removal of antibiotics through polyphenol-mediated nanointerfaces. **2022**, ○
- 72 Nanoarchitectonics of High-performance Bis(triethoxysilyl)methane (BTESM) Hybrid silica Membrane for Pervaporative Desalination Applications. ○
- 71 Tunable Ion Transport with Freestanding Vermiculite Membranes. ○
- 70 A monovalent selective anion exchange membrane made by poly(2,6-dimethyl-1,4-phenyl oxide) for bromide recovery. **2023**, 305, 122377 1
- 69 On the temporal selectivity of desalination for a porous composite graphene-copper membrane (GCuM): A molecular dynamics study. **2023**, 546, 116182 ○
- 68 Graphene oxide nanofiltration membranes with confined Na⁺ in two-dimensional nanochannels. **2023**, 304, 122321 1

- 67 Triazine porous organic polymer thin film by nanoparticle-polymer reticulation for high-efficient molecule/ion separation. 0
- 66 Covalent organic framework assisted interlocked graphene oxide based thin-film composite membrane for effective water remediation. **2022**, 9, 249-264 1
- 65 Magnetic graphene oxide functionalized with crystalline nanocellulose and zwitterionic polymers to achieve UF nanocomposite membranes of advanced performance. **2023**, 11, 109198 0
- 64 Synthesis of heterogeneous metal organic Framework-Graphene oxide nanocomposite membranes for water treatment. **2023**, 455, 140851 0
- 63 Membranes prepared from graphene-based nanomaterials for water purification: a mini-review. **2022**, 14, 17871-17886 1
- 62 Advanced Covalent Organic Framework-Based Membranes for Recovery of Ionic Resources. 2206041 0
- 61 Blood-Coagulation-Inspired Dynamic Bridging Strategy for the Fabrication of Multiscale-Assembled Hierarchical Porous Material. 2204702 0
- 60 Molecular dissolution behaviors on porous membrane surface using hierarchical metal-organic framework lamellar membrane. 0
- 59 Aqueous Proton Transportation in Graphene-Based Nanochannels. **2022**, 38, 15413-15421 0
- 58 Bioinspired Macrocyclic Molecule Supported Two-Dimensional Lamellar Membrane with Robust Interlayer Structure for High-Efficiency Nanofiltration. 2206516 0
- 57 Solid-state nanopore/channels meet DNA nanotechnology. **2022**, 0
- 56 Amphiphilically Modified Porous Polymeric Nanosandwich-Based Membranes for Rapid and Efficient Water Treatment. 2205714 0
- 55 Modular polyoxometalate-intercalated layered double hydroxide membranes for molecular sieving and in situ regeneration. **2022**, 3, 101189 0
- 54 Two-dimensional confined channels with high-density hydrophilic microregions for enhanced selective water transport. **2023**, 121398 0
- 53 Graphene oxide for photonics, electronics and optoelectronics. 4
- 52 Metal-organic frameworks for high performance desalination through thickness control and structural fine-tuning. **2023**, 230, 119576 0
- 51 Constructing reduced porous graphene oxide for tailoring mass-transfer channels in ultrathin MXene (Ti₃C₂T) membranes for efficient dye/salt separation. **2023**, 457, 141217 1
- 50 Graphene oxide-based layer-by-layer nanofiltration membrane using inkjet printing for desalination. **2023**, 549, 116357 0

- 49 Biomimetic MXene membranes with negatively thermo-responsive switchable 2D nanochannels for graded molecular sieving. **2023**, ○
- 48 Selective Ion Transport in Two-Dimensional Lamellar Nanochannel Membranes. ○
- 47 Rapid Fabrication of High-Permeability Mixed Matrix Membranes at Mild Condition for CO₂ Capture. 2208177 ○
- 46 Intercalation Engineering of 2D Materials at Macroscale for Smart HumanMachine Interface and Double-Layer to Faradaic Charge Storage for Ions Separation. 2202137 ○
- 45 Selective Ion Transport in Two-Dimensional Lamellar Nanochannel Membranes. ○
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- 43 Humidity-resistant organic room-temperature phosphorescence materials synthesized using catalyst-free click reaction. **2023**, 462, 142198 ○
- 42 Insight into the role of ionicity in the desalination and separation of a graphene oxide membrane. **2023**, 552, 116433 1
- 41 Regulating interlayer spacing of aminated graphene oxide membranes for efficient flow reactions. **2023**, 6, 1173-1187 ○
- 40 Sulfonium-polyamide membranes for high flux Mg²⁺/Li⁺ separation. **2023**, 674, 121515 ○
- 39 Assembling CoAl-layered metal oxide into the gravity-driven catalytic membrane for Fenton-like catalytic degradation of pharmaceuticals and personal care products. **2023**, 463, 142340 ○
- 38 Ion-crosslinking induced dynamic assembly of porous 3D graphene oxide framework for CO₂ capture. **2023**, 312, 123448 ○
- 37 Hybrid graphene oxide membranes with regulated water and ion permeation channels via functional materials. **2023**, 40, 100907 ○
- 36 One-step growth of the interconnected carbon nanotubes/graphene hybrids from cuttlebone-derived bi-functional catalyst for lithium-ion batteries. **2023**, 149, 205-213 ○
- 35 Fenton induced microdefects enable fast water transfer of graphene oxide membrane for efficient water purification. **2023**, 675, 121542 ○
- 34 Enhanced mechanical stability of perovskite film by modulating the toughness of grain boundary. **2023**, 117, 106778 ○
- 33 Tunable reduced graphene oxide nanofiltration membrane for efficient retention and separation of dye/salt based on molecular interactions. **2023**, 109735 ○
- 32 Two dimensional sulfonated molybdenum disulfide (SMoS₂) thin-film nanocomposite nanofiltration membrane for selective desalination. **2023**, 676, 121574 ○

31	A bio-inspired self-assembled asymmetrical supramolecular film for highly-sensitive fire warning, solvent response, and smart switching. 2023 , 459, 141546	1
30	Nitrogen-Doped Multilayer Graphene Microtubes for High-Density Recording of Occipital EEG Signals. 2201734	0
29	Facile Fabrication of a Continuous ZIF-67 Membrane for Efficient Azeotropic Organic Solvent Mixture Separation. 2023 , 62,	0
28	Facile Fabrication of a Continuous ZIF-67 Membrane for Efficient Azeotropic Organic Solvent Mixture Separation. 2023 , 135,	0
27	Two-dimensional graphene oxide nanochannel membranes for ionic separation. 2023 , 39, 100899	0
26	Ion and Molecule Sieving through Highly Stable Graphene-Based Laminar Membranes. 2023 , 14, 1702-1707	1
25	Two-dimensional material membrane fabrication: progress and challenges. 2023 , 39, 100900	0
24	GO-Based Membranes for Desalination. 2023 , 13, 220	1
23	Subnanometric Stacking of Two-Dimensional Nanomaterials: Insights from the Nanotexture Evolution of Dense Reduced Graphene Oxide Membranes. 2023 , 17, 5072-5082	1
22	Manganese-based oxide electrocatalysts for the oxygen evolution reaction: a review. 2023 , 11, 5476-5494	1
21	Membrane Contact Demulsification: A Superhydrophobic ZIF-8@rGO Membrane for Water-in-Oil Emulsion Separation. 2023 ,	0
20	Charged Boron Nitride Nanosheet Membranes for Improved Organic Solvent Nanofiltration. 2023 , 15, 12524-12533	0
19	Electrochemical Opening of Impermeable Nanochannels in Laminar Graphene Membranes for Ultrafast Nanofiltration. 2023 , 57, 3843-3852	0
18	Electric Eel Biomimetics for Energy Storage and Conversion. 2201435	0
17	Pythium oligandrum-derived carbon/graphene oxide as sensitized substrate: large-scale preparation and enhancing photocatalytic hydrogen evolution.	0
16	Polyamide membranes with nanoscale ordered structures for fast permeation and highly selective ion-ion separation. 2023 , 14,	0
15	The recent advance of precisely designed membranes for sieving. 2023 , 34, 232003	0
14	Aptamer-induced in-situ growth of acetylcholinesterase-Cu ₃ (PO ₄) ₂ hybrid nanoflowers for electrochemical detection of organophosphorus inhibitors.	0

- 13 Fluids and Electrolytes under Confinement in Single-Digit Nanopores. **2023**, 123, 2737-2831 ○
- 12 Highly Conductive Proton-Selectivity Membrane Enabled by Hollow Carbon Sieving Nanospheres for Energy Storage Devices. **2023**, ○
- 11 Electrically Modulated Nanofiltration Membrane Based on an Arch-Bridged Graphene Structure for Multicomponent Molecular Separation. **2023**, 17, 6627-6637 ○
- 10 Host-Guest Recognition Boosts Biomimetic Mono/Multivalent Cation Separation. **2023**, 57, 5861-5871 ○
- 9 Fundamental Understanding of Ultrathin, Highly Stable Self-Assembled Liquid Crystalline Graphene Oxide Membranes Leading to Precise Molecular Sieving through Non-equilibrium Molecular Dynamics. ○
- 8 Simultaneous regulation of pore size and surface charge of nanofiltration membrane using carbon quantum dots for improved selective separation. **2023**, 317, 123870 ○
- 7 Confined and mediated intercalation of nanoparticles in graphene oxide membrane to fine-tune desalination performance. **2023**, 465, 143005 ○
- 6 Two-Dimensional Interlayer Space Induced Horizontal Transformation of Metal-Organic Framework Nanosheets for Highly Permeable Nanofiltration Membranes. ○
- 5 Hydroxypropyl-β-cyclodextrin-based polyester TFC membrane for efficient antibiotic desalination. **2023**, 123884 ○
- 4 Homochiral Zeolitic Imidazolate Framework with Defined Chiral Microenvironment for Electrochemical Enantioselective Recognition. ○
- 3 Highly stable graphene oxide/nylon membrane for molecular separation. **2023**, 34, 305703 ○
- 2 Facilely prepare high-performance loose nanofiltration membranes through regulation of polymer chain entanglements. **2023**, 318, 123964 ○
- 1 Chiral gold nanoparticles/graphene oxide membranes with ultrahigh and stable permeance for sieving and enantioseparation. **2023**, 467, 143366 ○