

CITATION REPORT

List of articles citing

Graphene Oxide Quantum Dots Incorporated into a Thin Film Nanocomposite Membrane with High Flux and Antifouling Properties for Low-Pressure Nanofiltration

DOI: 10.1021/acsami.6b12826

ACS Applied Materials & Interfaces, 2017, 9, 11082-11094

Source: <https://exaly.com/paper-pdf/66092066/citation-report.pdf>

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
250	Single-Layered Nanosheets of Covalent Triazine Frameworks (CTFs) by Mild Oxidation for Molecular-Sieving Membranes.		
249	Layer-by-Layer Synthesis of Covalent Organic Frameworks on Porous Substrates for Fast Molecular Separations.		
248	Graphene Oxide Liquid Crystal Membranes in Protic Ionic Liquid for Nanofiltration.		
247	Mussel-Inspired Architecture of High-Flux Loose Nanofiltration Membrane Functionalized with Antibacterial Reduced Graphene Oxide-Copper Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28990-29001	9.5	90
246	Carbon Quantum Dots Grafted Antifouling Membranes for Osmotic Power Generation via Pressure-Retarded Osmosis Process. 2017 , 51, 14016-14023		46
245	Charge-Gated Ion Transport through Polyelectrolyte Intercalated Amine Reduced Graphene Oxide Membranes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41482-41495	9.5	40
244	LBL assembled polyelectrolyte nanofiltration membranes with tunable surface charges and high permeation by employing a nanosheet sacrificial layer. 2017 , 5, 14819-14827		30
243	Enhanced photostability and sensing performance of graphene quantum dots encapsulated in electrospun polyacrylonitrile nanofibrous filtering membranes. 2018 , 262, 902-912		21
242	Fabrication of high flux nanofiltration membrane via hydrogen bonding based co-deposition of polydopamine with poly(vinyl alcohol). <i>Journal of Membrane Science</i> , 2018 , 552, 222-233	9.6	32
241	Novel aptasensor for the ultrasensitive detection of kanamycin based on grapheneoxide quantum-dot-linked single-stranded DNA-binding protein. 2018 , 265, 20-26		19
240	Cellulose-graphene quantum dot composite membranes using ionic liquid. <i>Journal of Membrane Science</i> , 2018 , 556, 293-302	9.6	24
239	Antifouling membrane surface construction: Chemistry plays a critical role. <i>Journal of Membrane Science</i> , 2018 , 551, 145-171	9.6	200
238	Thin film nanocomposite membranes incorporated with graphene quantum dots for high flux and antifouling property. <i>Journal of Membrane Science</i> , 2018 , 553, 17-24	9.6	112
237	Free Radical Graft Copolymerization Strategy To Prepare Catechin-Modified Chitosan Loose Nanofiltration (NF) Membrane for Dye Desalination. 2018 , 6, 4253-4263		59
236	Ultrahigh-flux and fouling-resistant membranes based on layered silver/MXene (Ti3C2Tx) nanosheets. 2018 , 6, 3522-3533		227
235	Aptamer based fluorometric sulfamethazine assay based on the use of graphene oxide quantum dots. 2018 , 185, 163		19
234	Graphene quantum dots (GQDs) and its derivatives for multifarious photocatalysis and photoelectrocatalysis. 2018 , 315, 171-183		94

233	A Graphene Oxide Quantum Dots Embedded Charge Trapping Memory With Enhanced Memory Window and Data Retention. 2018 , 6, 464-467		12
232	Mussel-inspired construction of organic-inorganic interfacial nanochannels for ion/organic molecule selective permeation. <i>Journal of Membrane Science</i> , 2018 , 555, 337-347	9.6	21
231	Preparation of a highly permeable nanofiltration membrane using a novel acyl chloride monomer with -PO(Cl)2 group. <i>Desalination</i> , 2018 , 431, 56-65	10.3	30
230	A novel biosensor based on DNA hybridization for ultrasensitive detection of NOS terminator gene sequences. 2018 , 257, 538-544		7
229	Fullerene-Tailored Graphene Oxide Interlayer Spacing for Energy-Efficient Water Desalination. 2018 , 1, 6168-6175		12
228	Applications of carbon quantum dots (CQDs) in membrane technologies: A review. 2018 , 147, 43-49		131
227	A Comprehensive Review on Polymeric Nano-Composite Membranes for Water Treatment. 2018 , 08,		95
226	Langmuir-Blodgett self-assembly of ultrathin graphene quantum dot films with modulated optical properties. 2018 , 10, 19612-19620		16
225	Graphene oxide membranes for enhancing water purification in terrestrial and space-born applications: State of the art. <i>Desalination</i> , 2018 , 448, 113-132	10.3	25
224	Polyphenol-assisted in-situ assembly for antifouling thin-film composite nanofiltration membranes. <i>Journal of Membrane Science</i> , 2018 , 566, 258-267	9.6	23
223	Incorporation of Cellulose Nanocrystals (CNCs) into the Polyamide Layer of Thin-Film Composite (TFC) Nanofiltration Membranes for Enhanced Separation Performance and Antifouling Properties. 2018 , 52, 11178-11187		105
222	Interfacial polymerization of covalent organic frameworks (COFs) on polymeric substrates for molecular separations. <i>Journal of Membrane Science</i> , 2018 , 566, 197-204	9.6	145
221	Graphene Oxide-Based Polymeric Membranes for Water Treatment. 2018 , 5, 1701427		43
220	Recent Advances in Graphene Quantum Dots: Synthesis, Properties, and Applications. 2018 , 2, 1800050		108
219	Graphene oxide quantum dots incorporated nanocomposite membranes with high water flux for pervaporative dehydration. <i>Journal of Membrane Science</i> , 2018 , 563, 903-913	9.6	36
218	Graphene oxide membranes for ion separation: Detailed studies on the effects of fabricating conditions. <i>Applied Surface Science</i> , 2018 , 459, 185-193	6.7	29
217	Progress of Nanocomposite Membranes for Water Treatment. 2018 , 8,		116
216	Tuning the functional groups of carbon quantum dots in thin film nanocomposite membranes for nanofiltration. <i>Journal of Membrane Science</i> , 2018 , 564, 394-403	9.6	97

215	Electrodes modified with 3D graphene composites: a review on methods for preparation, properties and sensing applications. 2018 , 185, 283		72
214	Preparation of polyamide thin film nanocomposite membranes containing silica nanoparticles via an in-situ polymerization of SiCl ₄ in organic solution. <i>Journal of Membrane Science</i> , 2018 , 565, 145-156	9.6	47
213	Thin film nanocomposite nanofiltration membranes from amine functionalized-boron nitride/polypiperazine amide with enhanced flux and fouling resistance. 2018 , 6, 12066-12081		78
212	Novel graphene quantum dots (GQDs)-incorporated thin film composite (TFC) membranes for forward osmosis (FO) desalination. <i>Desalination</i> , 2019 , 451, 219-230	10.3	69
211	Advances in Membrane Materials and Processes for Desalination of Brackish Water. 2019 , 5, 319-336		6
210	Rapid co-deposition of graphene oxide incorporated metal-phenolic network/piperazine followed by crosslinking for high flux nanofiltration membranes. <i>Journal of Membrane Science</i> , 2019 , 588, 117203	9.6	15
209	Amino-functionalized graphene quantum dots (aGQDs)-embedded thin film nanocomposites for solvent resistant nanofiltration (SRNF) membranes based on covalence interactions. <i>Journal of Membrane Science</i> , 2019 , 588, 117212	9.6	35
208	Ultrafast-Selective Nanofiltration of an Hybrid Membrane Comprising Laminated Reduced Graphene Oxide/Graphene Oxide Nanoribbons. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27004-27010	9.5	40
207	Evaluation of Graphene Oxide Induced Cellular Toxicity and Transcriptome Analysis in Human Embryonic Kidney Cells. 2019 , 9,		33
206	Porous metal-organic molecular cage: a promising candidate to highly improve the nanofiltration performance of thin film nanocomposite membranes. 2019 , 43, 1699-1709		5
205	CO ₂ -responsive graphene oxide nanofiltration membranes for switchable rejection to cations and anions. <i>Journal of Membrane Science</i> , 2019 , 592, 117374	9.6	15
204	CDs@ZIF-8 Modified Thin Film Polyamide Nanocomposite Membrane for Simultaneous Enhancement of Chlorine-Resistance and Disinfection Byproducts Removal in Drinking Water. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33033-33042	9.5	23
203	Graphene Oxide-IPDI-Ag/ZnO@Hydroxypropyl Cellulose Nanocomposite Films for Biological Wound-Dressing Applications. 2019 , 4, 15373-15381		14
202	A novel 3-dimensional graphene-based membrane with superior water flux and electrocatalytic properties for organic pollutant degradation. 2019 , 7, 172-187		24
201	Boron selective thin film composite nanofiltration membrane fabricated via a self-assembled trimesic acid layer at a liquid-liquid interface on an ultrafiltration support. 2019 , 43, 3874-3883		6
200	Preparation of high-flux PSF/GO loose nanofiltration hollow fiber membranes with dense-loose structure for treating textile wastewater. <i>Chemical Engineering Journal</i> , 2019 , 363, 33-42	14.7	72
199	Interlocked Graphene Oxide Provides Narrow Channels for Effective Water Desalination through Forward Osmosis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7566-7575	9.5	28
198	Evaluating graphene oxide and holey graphene oxide membrane performance for water purification. <i>Journal of Membrane Science</i> , 2019 , 588, 117195	9.6	19

197	Novel thin film nanocomposite membranes decorated with few-layered boron nitride nanosheets for simultaneously enhanced water flux and organic fouling resistance. <i>Applied Surface Science</i> , 2019 , 488, 565-577	6.7	28
196	Unidirectional diffusion synthesis of covalent organic frameworks (COFs) on polymeric substrates for dye separation. <i>Journal of Membrane Science</i> , 2019 , 586, 274-280	9.6	66
195	Metal-organic composite membrane with sub-2 nm pores fabricated via interfacial coordination. <i>Journal of Membrane Science</i> , 2019 , 587, 117146	9.6	19
194	A highly permeable loose nanofiltration membrane prepared via layer assembled in-situ mineralization. <i>Journal of Membrane Science</i> , 2019 , 587, 117159	9.6	30
193	Supramolecular-Based Regenerable Coating Layer of a Thin-Film Composite Nanofiltration Membrane for Simultaneously Enhanced Desalination and Antifouling Properties. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 21137-21149	9.5	49
192	High flux thin film nanocomposite membrane incorporated with functionalized TiO ₂ @reduced graphene oxide nanohybrids for organic solvent nanofiltration. 2019 , 204, 99-109		45
191	Emerging R&D on membranes and systems for water reuse and desalination. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 1578-1585	3.2	18
190	Recent Advancements and New Perspectives of Nanomaterials. 2019 , 1-32		
189	Synthesis, properties, and applications of graphene oxide/reduced graphene oxide and their nanocomposites. 2019 , 1, 31-47		488
188	Antibacterial Thin-Film Nanocomposite Membranes Incorporated with Graphene Oxide Quantum Dot-Mediated Silver Nanoparticles for Reverse Osmosis Application. 2019 , 7, 8724-8734		37
187	Investigation on effect of KCl addition on desalination performance of co-polymerized GO/Nylon nanocomposite membrane. 2019 , 125, 31-38		5
186	Thin film nanocomposite hollow fiber membranes comprising Na-functionalized carbon quantum dots for brackish water desalination. 2019 , 154, 54-61		58
185	Carbon-based nanocomposite membranes for water and wastewater purification. 2019 , 23-44		5
184	Mechanically robust high flux graphene oxide - nanocellulose membranes for dye removal from water. 2019 , 371, 484-493		58
183	Hierarchically Assembled Graphene Oxide Composite Membrane with Self-Healing and High-Efficiency Water Purification Performance. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46251-46260	9.5	24
182	Influence of nitrogen/phosphorus-doped carbon dots on polyamide thin film membranes for water vapor/N mixture gas separation.. 2019 , 9, 32121-32129		8
181	Materials and Engineering Design of Interfacial Polymerized Thin Film Composite Nanofiltration Membrane for Industrial Applications. 2019 , 47-83		4
180	Nanocomposite membranes for water separation and purification: Fabrication, modification, and applications. <i>Separation and Purification Technology</i> , 2019 , 213, 465-499	8.3	217

179	Free-standing graphene oxide membrane with tunable channels for efficient water pollution control. 2019 , 366, 659-668		31
178	Novel [Bose]GO/MoS ₂ composites membranes with enhanced permeability for effective salts and dyes rejection at low pressure. <i>Journal of Membrane Science</i> , 2019 , 574, 112-123	9.6	89
177	Graphene Quantum Dots-Doped Thin Film Nanocomposite Polyimide Membranes with Enhanced Solvent Resistance for Solvent-Resistant Nanofiltration. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6527-6540	9.5	57
176	Influence of integrating graphene oxide quantum dots on the fine structure characterization and alcohol dehydration performance of pervaporation composite membrane. <i>Journal of Membrane Science</i> , 2019 , 576, 36-47	9.6	29
175	Hydrophilic Hollow Nanocube-Functionalized Thin Film Nanocomposite Membrane with Enhanced Nanofiltration Performance. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5344-5352	9.5	74
174	Production and properties of top-down and bottom-up graphene oxide. 2019 , 561, 315-324		11
173	Improving Ion Rejection of Conductive Nanofiltration Membrane through Electrically Enhanced Surface Charge Density. 2019 , 53, 868-877		43
172	Cerium oxide doped nanocomposite membranes for reverse osmosis desalination. 2019 , 218, 974-983		34
171	Improving Zr _{0.5} Hf _{0.5} O ₂ -based charge-trapped performance by graphene oxide quantum dots. 2019 , 12, 1850093		3
170	A novel interfacial polymerization approach towards synthesis of graphene oxide-incorporated thin film nanocomposite membrane with improved surface properties. 2019 , 12, 75-87		33
169	Direct deposition of two-dimensional MXene nanosheets on commercially available filter for fast and efficient dye removal. 2020 , 384, 121367		51
168	Chemical-grafting of graphene oxide quantum dots (GOQDs) onto ceramic microfiltration membranes for enhanced water permeability and anti-organic fouling potential. <i>Applied Surface Science</i> , 2020 , 502, 144128	6.7	29
167	One-pot assembly tannic acid-titanium dual network coating for low-pressure nanofiltration membranes. <i>Separation and Purification Technology</i> , 2020 , 233, 116051	8.3	16
166	Recent advances in mitigating membrane biofouling using carbon-based materials. 2020 , 382, 120976		43
165	Covalent triazine frameworks membrane with highly ordered skeleton nanopores for robust and precise molecule/ion separation. <i>Journal of Membrane Science</i> , 2020 , 595, 117525	9.6	22
164	Reduced Holey Graphene Oxide Membranes for Desalination with Improved Water Permeance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1387-1394	9.5	24
163	Construction of highly water-stable metal-organic framework UiO-66 thin-film composite membrane for dyes and antibiotics separation. <i>Chemical Engineering Journal</i> , 2020 , 385, 123400	14.7	71
162	Self-Cleaning Nanofiltration Membranes by Coordinated Regulation of Carbon Quantum Dots and Polydopamine. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 580-590	9.5	46

161	Water purification performance and energy consumption of gradient nanocomposite membranes. 2020 , 202, 108426		5
160	Rapid preparation of Tannic acid (TA) based zwitterionic nanofiltration membrane via a multiple layer-by-layer (mLBL) assembly strategy for enhanced antifouling performance. <i>Separation and Purification Technology</i> , 2020 , 253, 117519	8.3	13
159	Applications of tannic acid in membrane technologies: A review. 2020 , 284, 102267		35
158	Custom-tailoring metal-organic framework in thin-film nanocomposite nanofiltration membrane with enhanced internal polarity and amplified surface crosslinking for elevated separation property. <i>Desalination</i> , 2020 , 493, 114649	10.3	18
157	Incorporation of lysine-modified UiO-66 for the construction of thin-film nanocomposite nanofiltration membrane with enhanced water flux and salt selectivity. <i>Desalination</i> , 2020 , 493, 114661	10.3	21
156	Engineering Heterostructured Thin-Film Nanocomposite Membrane with Functionalized Graphene Oxide Quantum Dots (GOQD) for Highly Efficient Reverse Osmosis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38662-38673	9.5	27
155	High-flux nanofiltration membranes prepared with β -cyclodextrin and graphene quantum dots. <i>Journal of Membrane Science</i> , 2020 , 612, 118465	9.6	20
154	Synergistic effect of polyvinyl alcohol sub-layer and graphene oxide condiment from active layer on desalination behavior of forward osmosis membrane. 2020 , 112, 366-376		7
153	A Critical Review on Thin-Film Nanocomposite Membranes with Interlayered Structure: Mechanisms, Recent Developments, and Environmental Applications. 2020 , 54, 15563-15583		89
152	Incorporation of Core-Shell-Structured Zwitterionic Carbon Dots in Thin-Film Nanocomposite Membranes for Simultaneously Improved Perm-Selectivity and Antifouling Properties. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 53215-53229	9.5	13
151	Two-dimensional Montmorillonite membranes with efficient water filtration. <i>Journal of Membrane Science</i> , 2020 , 614, 118540	9.6	12
150	Carbon quantum dots embedded polysulfone membranes for antibacterial performance in the process of forward osmosis. <i>Desalination</i> , 2020 , 493, 114618	10.3	17
149	High performance nanofiltration in BUT-8(A)/PDDA mixed matrix membrane fabricated by spin-assisted layer-by-layer assembly. 2020 , 115, 331-338		1
148	A New Method for a Polyethersulfone-Based Dopamine-Graphene (xGnP-DA/PES) Nanocomposite Membrane in Low/Ultra-Low Pressure Reverse Osmosis (L/ULPRO) Desalination. 2020 , 10,		0
147	Flexible, fouling-resistant and self-cleaning Ti3C2Tx-derived hydrophilic nanofiltration membrane for highly efficient rejection of organic molecules from wastewater. 2020 , 9, 11675-11686		8
146	Engineered Zero-Dimensional Fullerene/Carbon Dots-Polymer Based Nanocomposite Membranes for Wastewater Treatment. 2020 , 25,		9
145	Antifouling PVDF Membrane by Surface Covalently Anchoring Functionalized Graphene Quantum Dots. 2020 , 59, 20168-20180		4
144	Size-controlled graphene oxide for highly permeable and fouling-resistant outer-selective hollow fiber thin-film composite membranes for forward osmosis. <i>Journal of Membrane Science</i> , 2020 , 609, 118479	9.6	18

143	Covalent organic framework incorporated outer-selective hollow fiber thin-film nanocomposite membranes for osmotically driven desalination. <i>Desalination</i> , 2020 , 485, 114461	10.3	15
142	One-step cross-linking and tannic acid modification of polyacrylonitrile hollow fibers for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2020 , 610, 118294	9.6	19
141	Enhanced memory characteristics of charge trapping memory by employing graphene oxide quantum dots. 2020 , 116, 103501		7
140	In situ assembly of a graphene oxide quantum dot-based thin-film nanocomposite supported on de-mixed blends for desalination through forward osmosis. 2020 , 2, 1993-2003		9
139	Alcohol dehydration performance of pervaporation composite membranes with reduced graphene oxide and graphene quantum dots homostructured filler. 2020 , 162, 318-327		18
138	Recent Developments in the Rational Fabrication of Thin Film Nanocomposite Membranes for Water Purification and Desalination. 2020 , 5, 3792-3800		26
137	Custom-Tailoring Loose Nanofiltration Membrane for Precise Biomolecule Fractionation: New Insight into Post-Treatment Mechanisms. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13327-13337	9.5	35
136	Graphene oxide quantum dot exposure induces abnormalities in locomotor activities and mechanisms in zebrafish (<i>Danio rerio</i>). 2020 , 40, 794-803		6
135	Toward enhancing the separation and antifouling performance of thin-film composite nanofiltration membranes: A novel carbonate-based preoccupation strategy. 2020 , 571, 155-165		20
134	Membranes for toxic- and heavy-metal removal. 2020 , 125-149		5
133	Carbodiimide-assisted zwitterionic modification of poly(piperazine amide) thin-film composite membrane for enhanced separation and anti-depositing performances to cationic/anionic dye aqueous solutions. 2020 , 396, 122582		11
132	Preparation of pore-size tunable activated carbon derived from waste coffee grounds for high adsorption capacities of organic dyes. 2020 , 8, 103929		24
131	Improving the efficacy of PES-based mixed matrix membranes incorporated with citric acid-amylose-modified MWCNTs for HA removal from water. 2021 , 78, 1293-1311		6
130	Carbon Nanopore-Tailored Reverse Osmotic Water Desalination. 2021 , 1, 34-47		9
129	Applications of carbon dots in environmental pollution control: A review. <i>Chemical Engineering Journal</i> , 2021 , 406, 126848	14.7	70
128	Liposomes-assisted fabrication of high performance thin film composite nanofiltration membrane. <i>Journal of Membrane Science</i> , 2021 , 620, 118833	9.6	9
127	Novel aminated graphene quantum dots (GQDs-NH ₂)-engineered nanofiltration membrane with high Mg ²⁺ /Li ⁺ separation efficiency. <i>Separation and Purification Technology</i> , 2021 , 258, 118042	8.3	8
126	Graphene quantum dots (GQDs)-assembled membranes with intrinsic functionalized nanochannels for high-performance nanofiltration. <i>Chemical Engineering Journal</i> , 2021 , 420, 127602	14.7	18

125	Insights into metal-organic frameworks-integrated membranes for desalination process: A review. <i>Desalination</i> , 2021 , 500, 114867	10.3	26
124	Amino-rich carbon quantum dots ultrathin nanofiltration membranes by double one-step methods: Breaking through trade-off among separation, permeation and stability. <i>Chemical Engineering Journal</i> , 2021 , 404, 127144	14.7	16
123	Multicolor Fluorescent Graphene Oxide Quantum Dots for Sensing Cancer Cell Biomarkers. 2021 , 4, 211-219		5
122	Highly permeable thin film composite hollow fiber membranes for brackish water desalination by incorporating amino functionalized carbon quantum dots and hypochlorite treatment. <i>Journal of Membrane Science</i> , 2021 , 620, 118952	9.6	13
121	Graphene-Based Advanced Membrane Applications in Organic Solvent Nanofiltration. 2021 , 31, 2006949		29
120	Waterborne nanocellulose coatings for improving the antifouling and antibacterial properties of polyethersulfone membranes. <i>Journal of Membrane Science</i> , 2021 , 620, 118842	9.6	21
119	Preparation of bottom-up graphene oxide using citric acid and tannic acid, and its application as a filler for polypropylene nanocomposites.. 2021 , 11, 7663-7671		3
118	Construction of Bi/Bi5O7I anchored on a polymer with boosted interfacial charge transfer for biofouling resistance and photocatalytic H ₂ evolution. 2021 , 11, 1330-1336		1
117	High-performing composite membrane based on dopamine-functionalized graphene oxide incorporated two-dimensional MXene nanosheets for water purification. 2021 , 56, 6814-6829		16
116	Graphene Quantum Dots Open Up New Prospects for Interfacial Modifying in Graphene/Silicon Schottky Barrier Solar Cell. 2021 , 2021, 1-11		3
115	Antibiofouling Thin-Film Nanocomposite Membranes for Sustainable Water Purification. 2021 , 5, 2000279		1
114	Channel regulation of TFC membrane with hydrophobic carbon dots in forward osmosis. 2021 , 32, 2882-2882		1
113	Fabrication of Antiswelling Loose Nanofiltration Membranes via a "Selective-Etching-Induced Reinforcing" Strategy for Bioseparation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19312-19323	9.5	2
112	Constructing dense and hydrophilic forward osmosis membrane by cross-linking reaction of graphene quantum dots with monomers for enhanced selectivity and stability. 2021 , 589, 486-499		10
111	Ongoing progress on novel nanocomposite membranes for the separation of heavy metals from contaminated water. 2021 , 270, 129421		53
110	Surface-crumpled thin-film nanocomposite membranes with elevated nanofiltration performance enabled by facilely synthesized covalent organic frameworks. <i>Journal of Membrane Science</i> , 2021 , 625, 119144	9.6	9
109	Spider Silk Inspired Robust and Photoluminescent Soybean-Protein-Based Materials. 2021 , 306, 2100155		2
108	Wood-inspired preparation of ligninsulfonate/trimesoylchloride nanofilm with a highly negatively charged surface for removing anionic dyes. <i>Chemical Engineering Journal</i> , 2021 , 412, 128609	14.7	8

107	Tuning the pore size of graphene quantum dots composite nanofiltration membranes by P-aminobenzoic acid for enhanced dye/salt separation. <i>Separation and Purification Technology</i> , 2021 , 263, 118372	8.3	6
106	In-situ growth of graphene quantum dots modified MoS ₂ membrane on tubular ceramic substrate with high permeability for both water and organic solvent. <i>Journal of Membrane Science</i> , 2021 , 627, 119247	9.6	1
105	Effect of graphene oxide quantum dots on the interfacial polymerization of a thin-film nanocomposite forward osmosis membrane: An experimental and molecular dynamics study. <i>Journal of Membrane Science</i> , 2021 , 630, 119309	9.6	2
104	Carbon quantum dots doped thin-film nanocomposite (TFN) membrane on macroporous ceramic hollow fiber support via one-step interfacial polymerization. <i>Separation and Purification Technology</i> , 2021 , 266, 118572	8.3	2
103	Regulating composition and structure of nanofillers in thin film nanocomposite (TFN) membranes for enhanced separation performance: A critical review. <i>Separation and Purification Technology</i> , 2021 , 266, 118567	8.3	42
102	Water Purification of Classical and Emerging Organic Pollutants: An Extensive Review. 2021 , 5, 47		11
101	Ag ₃ PO ₄ composite nanofiltration membrane and its visible-light photocatalytic properties. <i>Journal of Membrane Science</i> , 2021 , 631, 119334	9.6	2
100	Recent progress on carbon based desalination membranes and carbon nanomaterial incorporated non-polyamide desalination membranes. 2021 , 9, 105762		1
99	Novel thin-film composite membrane with ultrathin surface mineralization layer engineered by electrostatic attraction induced In-situ assembling process for high-performance nanofiltration. <i>Chemical Engineering Journal</i> , 2021 , 417, 127903	14.7	9
98	Engineering Janus CNTs/OCS composite membrane at air/water interface for excellent dye molecules screening. <i>Chemical Engineering Journal</i> , 2021 , 417, 127947	14.7	5
97	Poly(vinyl alcohol)/polydopamine hybrid nanofiltration membrane fabricated through aqueous electrospinning with excellent antifouling and chlorine resistance. <i>Journal of Membrane Science</i> , 2021 , 632, 119385	9.6	10
96	Machine learning for design of thin-film nanocomposite membranes. <i>Separation and Purification Technology</i> , 2021 , 270, 118383	8.3	6
95	Construction of Loose Positively Charged NF Membrane by Layer-by-Layer Grafting of Polyphenol and Polyethyleneimine on the PES/Fe Substrate for Dye/Salt Separation. 2021 , 11,		2
94	Custom-tailoring loose nanocomposite membrane incorporated bipiperidine/graphene quantum dots for high-efficient dye/salt fractionation in hairwork dyeing effluent. <i>Separation and Purification Technology</i> , 2021 , 271, 118870	8.3	3
93	Multi-ionic electrolytes and E.coli removal from wastewater using chitosan-based in-situ mediated thin film composite nanofiltration membrane. 2021 , 294, 112996		2
92	Development of ultrathin polyamide nanofilm with enhanced inner-pore interconnectivity via graphene quantum dots-assembly intercalation for high-performance organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2021 , 635, 119498	9.6	7
91	Spray-deposited thin-film composite MOFs membranes for dyes removal. <i>Journal of Membrane Science</i> , 2021 , 635, 119475	9.6	8
90	Self-assembly enabled nano-intercalation for stable high-performance MXene membranes. <i>Journal of Membrane Science</i> , 2021 , 635, 119464	9.6	14

89	The applications of graphene oxide quantum dots in the removal of emerging pollutants in water: An overview. 2021 , 43, 102249		4
88	Ice-crystal templating approach for tailoring mass transfer channels in graphene oxide membranes for high-performance dye/salt separation. 2021 , 183, 119-127		6
87	Ligninsulfonate/trimesoylchloride nanocomposite membrane with transmembrane nanochannels via bionic cell membrane for molecular separation. <i>Journal of Membrane Science</i> , 2021 , 638, 119741	9.6	1
86	Thin-film composite polyester nanofiltration membrane with high flux and efficient dye/salts separation fabricated from precise molecular sieving structure of Cyclodextrin. <i>Separation and Purification Technology</i> , 2021 , 276, 119352	8.3	7
85	A high-flux metal-organic framework membrane (PSF/MIL-100 (Fe)) for the removal of microplastics adsorbing dye contaminants from textile wastewater. <i>Separation and Purification Technology</i> , 2021 , 277, 119655	8.3	5
84	The use of polymer-graphene composites as membrane. 2022 , 557-588		
83	Fabrication of Graphene oxide membrane with multiple Plug-ins for efficient dye nanofiltration. <i>Separation and Purification Technology</i> , 2022 , 278, 119504	8.3	6
82	High-flux polyamide membrane with improved chlorine resistance for efficient dye/salt separation based on a new N-rich amine monomer. <i>Separation and Purification Technology</i> , 2022 , 278, 119533	8.3	6
81	Electrospray interfacial polymerization for a loose NF membrane: super-selective dye separation in saline dye wastewater treatment.		1
80	Principles of nanofiltration membrane processes. 2021 , 53-95		1
79	A facile and economic route assisted by trace tannic acid to construct a high-performance thin film composite NF membrane for desalination. 2021 , 7, 956-968		3
78	Synthesis, fabrication, and mechanism of action of electrically conductive membranes: a review. 2021 , 7, 671-705		12
77	Advantages, limitations, and future suggestions in studying graphene-based desalination membranes.. 2021 , 11, 7981-8002		8
76	Developments of Carbon-Based Membrane Materials for Water Treatment. 2020 , 121-175		1
75	Novel hybrids based on graphene quantum dots covalently linked to glycol corroles for multiphoton bioimaging. 2020 , 166, 164-174		19
74	Enhancing the permeance and antifouling properties of thin-film composite nanofiltration membranes modified with hydrophilic capsaicin-mimic moieties. <i>Journal of Membrane Science</i> , 2020 , 610, 118233	9.6	25
73	Review on Graphene Oxide-based Nanofiltration Membrane. 2019 , 29, 130-139		4
72	High performance nanocomposite nanofiltration membranes with polydopamine-modified cellulose nanocrystals for efficient dye/salt separation. <i>Desalination</i> , 2022 , 521, 115385	10.3	9

71	Reduced Holey Graphene Oxide Membranes for Desalination with Improved Water Permeance. <i>Journal of Membrane Science</i> , 2019 , 12,	9.6	
70	Free-standing graphene oxide membrane works in tandem with confined interfacial polymerization of polyamides towards excellent desalination and chlorine tolerance performance.		1
69	Amorphous TiO Bridges Stabilized WS Membranes with Excellent Filtration Stability and Photocatalysis-Driving Self-Cleaning Ability. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 58076-58084	8.5	2
68	Structure-performance relationships between amino acid-functionalized graphene quantum dots and self-cleaning nanofiltration membranes. <i>Journal of Membrane Science</i> , 2021 , 644, 120068	9.6	0
67	Bioactivity of PEGylated Graphene Oxide Nanoparticles Combined with Near-Infrared Laser Irradiation Studied in Colorectal Carcinoma Cells. 2021 , 11,		2
66	Comparative evaluation of the mechanisms of toxicity of graphene oxide and graphene oxide quantum dots to blue-green algae <i>Microcystis aeruginosa</i> in the aquatic environment. 2021 , 425, 127898		2
65	Fabrication of highly permeable CS/NaAlg loose nanofiltration membrane by ionic crosslinking assisted layer-by-layer self-assembly for dye desalination. <i>Separation and Purification Technology</i> , 2021 , 120202	8.3	1
64	Recent advances of loose nanofiltration membranes for dye/salt separation. <i>Separation and Purification Technology</i> , 2021 , 285, 120228	8.3	7
63	Perfluorooctanoyl chloride engineering toward high-flux antifouling polyamide nanofilms for desalination. <i>Journal of Membrane Science</i> , 2022 , 644, 120166	9.6	1
62	Engineering novel high-flux thin-film composite (TFC) hollow fiber nanofiltration membranes via a facile and scalable coating procedure. <i>Desalination</i> , 2022 , 526, 115531	10.3	2
61	Recent advances in nature-inspired antifouling membranes for water purification. <i>Chemical Engineering Journal</i> , 2022 , 432, 134425	14.7	4
60	A sensitive and accurate fluorescent genosensor for <i>Staphylococcus aureus</i> detection. 2022 , 355, 131311		0
59	Ultrathin Polyamide Membranes Enabled by Spin-Coating Assisted Interfacial Polymerization for High-Flux Nanofiltration. <i>SSRN Electronic Journal</i> ,	1	
58	Ultrathin Polyamide Membranes Enabled by Spin-Coating Assisted Interfacial Polymerization for High-Flux Nanofiltration. <i>SSRN Electronic Journal</i> ,	1	
57	Ultrathin Polyamide Membranes Enabled by Spin-Coating Assisted Interfacial Polymerization for High-Flux Nanofiltration. <i>SSRN Electronic Journal</i> ,	1	
56	Co-assembly of soluble metal-organic polyhedrons for high-flux thin-film nanocomposite membranes.. 2022 , 615, 10-18		1
55	Development of Performance-Enhanced Graphene Oxide-Based Nanostructured Thin-Film Composite Seawater Reverse Osmosis Membranes.		1
54	Outstanding Anti-Bacterial Thin-Film Composite Membrane Prepared by Incorporating Ag-Mof for Water Treatment. <i>SSRN Electronic Journal</i> ,	1	

53	MXene-regulation polyamide membrane featuring with bubble-like nodule for efficient dye/salt separation and antifouling performance.. 2022 , 12, 10267-10279		1
52	Metal-Coordinated Nanofiltration Membranes Constructed on Metal Ions Blended Support toward Enhanced Dye/Salt Separation and Antifouling Performances.. 2022 , 12,		1
51	Fabrication of polyarylate thin-film nanocomposite membrane based on graphene quantum dots interlayer for enhanced gas separation performance. <i>Separation and Purification Technology</i> , 2022 , 121035	8.3	0
50	Ultrathin polyamide membranes enabled by spin-coating assisted interfacial polymerization for high-flux nanofiltration. <i>Separation and Purification Technology</i> , 2022 , 288, 120648	8.3	0
49	Engineering of macroscale graphene oxide quantum dots skeleton membrane via electrostatic spraying method. <i>Journal of Membrane Science</i> , 2022 , 650, 120428	9.6	0
48	Fabrication of high-performance nanofiltration membranes by using sulfated cellulose nanofibril as the intermediate support layer. <i>Desalination</i> , 2022 , 532, 115741	10.3	0
47	Improving stability and separation performance of graphene oxide/graphene nanofiltration membranes by adjusting the laminated regularity of stacking-sheets.. <i>Science of the Total Environment</i> , 2022 , 154175	10.2	0
46	Outstanding anti-bacterial thin-film composite membrane prepared by incorporating silver-based metal-organic framework (Ag-MOF) for water treatment. <i>Applied Surface Science</i> , 2022 , 590, 153059	6.7	2
45	Antifouling nanocomposite polymer coatings for marine applications: A review on experiments, mechanisms, and theoretical studies. <i>Journal of Materials Science and Technology</i> , 2022 , 118, 73-113	9.1	2
44	Thin Film Polyamide Nanocomposite Membrane Decorated by Polyphenol-Assisted TiCT MXene Nanosheets for Reverse Osmosis.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
43	Theoretical concepts of membrane-nanomaterial composites. 2022 , 37-80		
42	A High-Performance Tfn Membrane Prepared by a Novel Pe Support Layer, a Polydopamine Interlayer, and a Doped Mos2 Quantum Dots@Zno Nanocomposites-Incorporated Polyamide Active Layer. <i>SSRN Electronic Journal</i> ,	1	
41	Polymer Nanocomposite Membrane for Wastewater Treatment: A Critical Review.. <i>Polymers</i> , 2022 , 14,	4.5	0
40	Controllable synthesis of novel porous graphene-based sheets and design of ultrathin composite films by in-situ sealing technology. <i>Chemical Engineering Journal</i> , 2022 , 446, 137075	14.7	1
39	Biorenewable Nanocomposite Materials in Membrane Separations. <i>ACS Symposium Series</i> , 189-235	0.4	
38	Molecular sieving through 'layer-by-layer' self-assembly of polyelectrolytes and highly crosslinked graphene oxide. <i>Functional Composite Materials</i> , 2022 , 3,	1.7	
37	High-Precision and High-Flux Separation by Rationally Designing the Nanochannels and Surface Nanostructure of Polyamide Nanofiltration Membranes. <i>Small Science</i> , 2022 , 2, 2200026		0
36	Fabrication of anti-fouling polyamide nanofiltration membrane by incorporating streptomycin as a novel co-monomer. <i>Chinese Journal of Chemical Engineering</i> , 2022 ,	3.2	0

35	Combining S-DADPS monomer and halloysite nanotube for fabrication superior nanofiltration membrane. <i>Polymer</i> , 2022 , 125174	3.9
34	Polyamide Covalent Organic Framework Membranes for Molecular Sieving. 2022 , 14, 37019-37027	1
33	Nanocomposite Polymeric Membranes for Organic Micropollutant Removal: A Critical Review.	1
32	Interlayered thin-film nanocomposite membrane with synergetic effect of COFs interlayer and GQDs incorporation for organic solvent nanofiltration. 2022 , 662, 120930	0
31	Biofouling detection and nano-enabled mitigation techniques for membranes used in wastewater treatment. 2022 , 39-69	0
30	Membranes with Zif-8 Regulated Mxene Nanosheet Stacks for Efficient Molecular Sieving.	0
29	Feasibility of thin film nanocomposite membranes for clean energy using pressure retarded osmosis and reverse electrodialysis. 2022 , 7, 100141	1
28	Improvement of the chlorine resistance of graphene oxide membranes through siloxane cross-linking. 1-10	0
27	Natural-product-derived membranes for high-efficiency anionic dye removal. 2022 , 663, 121061	0
26	Graphene Oxide-Based Membranes Intercalated with an Aromatic Crosslinker for Low-Pressure Nanofiltration. 2022 , 12, 966	0
25	Membranes constructed with zero-dimension carbon quantum dots for CO ₂ separation. 2022 , 664, 121086	0
24	Enhancing the permeability, anti-biofouling performance and long-term stability of TFC nanofiltration membrane by imidazole-modified carboxylated graphene oxide/polyethersulfone substrate. 2022 , 664, 121099	2
23	Membranes with ZIF-8 regulated MXene nanosheet stacks for efficient molecular sieving. 2023 , 546, 116184	0
22	Trimethylamine N-oxide-derived zwitterionic polyamide thin-film composite nanofiltration membranes with enhanced anti-dye deposition ability for efficient dye separation and recovery. 2023 , 665, 121083	1
21	Molecular Modeling of Thin-film Nanocomposite Membranes for Reverse Osmosis Water Desalination.	0
20	Review on Thin-film Nanocomposite Membranes with Various Quantum Dots for Water Treatments. 2022 ,	1
19	Covalent organic framework assisted interlocked graphene oxide based thin-film composite membrane for effective water remediation. 2022 , 9, 249-264	1
18	Synergetic effects of COFs interlayer regulation and surface modification on thin-film nanocomposite reverse osmosis membrane with high performance. 2023 , 548, 116265	0

- 17 l-Tartaric acid tailored polyamide thin-film composite membrane with enhanced performance for salt and molecular removal. **2023**, 549, 116327 ○
- 16 Recent Advances in Nanocomposite Membranes for Organic Compound Remediation from Potable Waters. ○
- 15 Recent Advancements in the Recovery and Reuse of Organic Solvents Using Novel Nanomaterial-Based Membranes for Renewable Energy Applications. **2023**, 13, 108 1
- 14 Plasma-enabled graphene quantum dot-based nanofiltration membranes for water purification and dye monitoring. **2023**, 670, 121334 ○
- 13 Bioinspired lignin-based loose nanofiltration membrane with excellent acid, fouling, and chlorine resistances toward dye/salt separation. **2023**, 670, 121372 1
- 12 Triethanolamine-based zwitterionic polyester thin-film composite nanofiltration membranes with excellent fouling-resistance for efficient dye and antibiotic separation. **2023**, 670, 121355 ○
- 11 Organic solvent-free constructing of stable zeolitic imidazolate framework functional layer enhanced by halloysite nanotubes and polyvinyl alcohol on polyvinylidene fluoride hollow fiber membranes for treating dyeing wastewater. **2023**, 636, 378-387 ○
- 10 Cross-Linked and Doped Graphene Oxide Membranes with Excellent Antifouling Capacity for Rejection of Antibiotics and Salts. ○
- 9 2D lamellar membrane with MXene hetero-intercalated small sized graphene oxide for harsh environmental wastewater treatment. **2023**, 311, 123248 ○
- 8 Low-pressure thin-film composite nanofiltration membranes with enhanced selectivity and antifouling property for effective dye/salt separation. **2023**, 641, 197-214 ○
- 7 Incorporating ionic carbon dots in polyamide nanofiltration membranes for high perm-selectivity and antifouling performance. **2023**, 672, 121401 ○
- 6 Current nanocomposite membranes as a tool for organic compounds remediation in potable waters. **2023**, 229-254 ○
- 5 Photo-Fenton reaction derived self-cleaning nanofiltration membrane with MOFs coordinated biopolymers for efficient dye/salt separation. **2023**, 553, 116459 ○
- 4 A Bioinspired Capillary Force-Induced Driving Strategy for Constructing Ultra-Low-Pressure Separation Membranes. 2214661 ○
- 3 A sustainable approach for heavy metal remediation from water using Carbon Dot based Composites: A Review. **2023**, 100295 ○
- 2 Controllable construction of ultrathin graphene quantum dots/polyamide nanofilms via electrospray interfacial polymerization. **2023**, 123831 ○
- 1 Highly stable graphene oxide/nylon membrane for molecular separation. **2023**, 34, 305703 ○