Yong Wang

List of Publications by Year in descending order

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265 papers	10,564 citations	28190 55 h-index	54797 84 g-index
267 all docs	267 docs citations	267 times ranked	10967 citing authors

#	Article	IF	Citations
1	Adhesion and proliferation of OCT-1 osteoblast-like cells on micro- and nano-scale topography structured poly(l-lactide). Biomaterials, 2005, 26, 4453-4459.	5.7	322
2	Progress and perspectives in PTFE membrane: Preparation, modification, and applications. Journal of Membrane Science, 2018, 549, 332-349.	4.1	249
3	Interfacial polymerization of covalent organic frameworks (COFs) on polymeric substrates for molecular separations. Journal of Membrane Science, 2018, 566, 197-204.	4.1	236
4	Aqueous/ionic liquid interfacial polymerization for preparing polyaniline nanoparticles. Polymer, 2004, 45, 3017-3019.	1.8	170
5	An Emerging Poreâ€Making Strategy: Confined Swellingâ€Induced Pore Generation in Block Copolymer Materials. Advanced Materials, 2011, 23, 2134-2148.	11.1	156
6	Facile Synthesis of Polyaniline Nanofibers Using Chloroaurate Acid as the Oxidant. Langmuir, 2005, 21, 833-836.	1.6	147
7	Membranes with Highly Ordered Straight Nanopores by Selective Swelling of Fast Perpendicularly Aligned Block Copolymers. ACS Nano, 2013, 7, 9961-9974.	7.3	139
8	Fabrication of Ruthenium-Carbon Nanotube Nanocomposites in Supercritical Water. Advanced Materials, 2005, 17, 928-932.	11.1	136
9	Fast Desalination by Multilayered Covalent Organic Framework (COF) Nanosheets. ACS Applied Materials & Interfaces, 2019, 11, 16847-16854.	4.0	135
10	Nanostructured Gold Films for SERS by Block Copolymer-Templated Galvanic Displacement Reactions. Nano Letters, 2009, 9, 2384-2389.	4.5	133
11	Recent advances of loose nanofiltration membranes for dye/salt separation. Separation and Purification Technology, 2022, 285, 120228.	3.9	131
12	Electrospun nanofiber substrates that enhance polar solvent separation from organic compounds in thin-film composites. Journal of Materials Chemistry A, 2018, 6, 15047-15056.	5.2	125
13	Benzothiazole-based fluorescent sensor for hypochlorite detection and its application for biological imaging. Sensors and Actuators B: Chemical, 2017, 243, 22-28.	4.0	124
14	PVDF membranes with simultaneously enhanced permeability and selectivity by breaking the tradeoff effect via atomic layer deposition of TiO2. Journal of Membrane Science, 2013, 442, 57-64.	4.1	122
15	Unusual Air Filters with Ultrahigh Efficiency and Antibacterial Functionality Enabled by ZnO Nanorods. ACS Applied Materials & Interfaces, 2015, 7, 21538-21544.	4.0	121
16	Two-Dimensional Covalent Triazine Framework Membrane for Helium Separation and Hydrogen Purification. ACS Applied Materials & Interfaces, 2016, 8, 8694-8701.	4.0	121
17	Unidirectional diffusion synthesis of covalent organic frameworks (COFs) on polymeric substrates for dye separation. Journal of Membrane Science, 2019, 586, 274-280.	4.1	120
18	Chitosan-Cross-Linked Graphene Oxide/Carboxymethyl Cellulose Aerogel Globules with High Structure Stability in Liquid and Extremely High Adsorption Ability. ACS Sustainable Chemistry and Engineering, 2019, 7, 8775-8788.	3.2	120

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19	Nanoporous Metal Membranes with Bicontinuous Morphology from Recyclable Blockâ€Copolymer Templates. Advanced Materials, 2010, 22, 2068-2072.	11.1	118
20	Plasma activation and atomic layer deposition of TiO2 on polypropylene membranes for improved performances of lithium-ion batteries. Journal of Membrane Science, 2014, 458, 217-224.	4.1	113
21	Ultra-permeable polyamide membranes harvested by covalent organic framework nanofiber scaffolds: a two-in-one strategy. Chemical Science, 2019, 10, 9077-9083.	3.7	108
22	Nondestructive Creation of Ordered Nanopores by Selective Swelling of Block Copolymers: Toward Homoporous Membranes. Accounts of Chemical Research, 2016, 49, 1401-1408.	7.6	106
23	Highly permeable and antifouling reverse osmosis membranes with acidified graphitic carbon nitride nanosheets as nanofillers. Journal of Materials Chemistry A, 2017, 5, 19875-19883.	5.2	103
24	Influence of lipid composition on the phase transition temperature of liposomes composed of both DPPC and HSPC. Drug Development and Industrial Pharmacy, 2013, 39, 197-204.	0.9	97
25	Facile Synthesis of Dual-Layer Organic Solvent Nanofiltration (OSN) Hollow Fiber Membranes. ACS Sustainable Chemistry and Engineering, 2015, 3, 3019-3023.	3.2	97
26	Oleic acid as the capping agent in the synthesis of noble metal nanoparticles in imidazolium-based ionic liquids. Chemical Communications, 2006, , 2545.	2.2	95
27	Structure design and applications of dual-layer polymeric membranes. Journal of Membrane Science, 2018, 562, 85-111.	4.1	94
28	Nanoscopic Morphologies in Block Copolymer Nanorods as Templates for Atomicâ€Layer Deposition of Semiconductors. Advanced Materials, 2009, 21, 2763-2766.	11.1	93
29	A highly specific fluorescent probe for hypochlorite based on fluorescein derivative and its endogenous imaging in living cells. Dyes and Pigments, 2015, 120, 22-29.	2.0	90
30	Swelling-induced mesoporous block copolymer membranes with intrinsically active surfaces for size-selective separation. Journal of Materials Chemistry, 2012, 22, 20542.	6.7	89
31	Precise pore size tuning and surface modifications of polymeric membranes using the atomic layer deposition technique. Journal of Membrane Science, 2011, 385-386, 1-9.	4.1	84
32	Upgrading polysulfone ultrafiltration membranes by blending with amphiphilic block copolymers: Beyond surface segregation. Journal of Membrane Science, 2016, 505, 53-60.	4.1	84
33	Fabrication and characterization of magnetic carbon nanotube composites. Journal of Materials Chemistry, 2005, 15, 4497.	6.7	81
34	Atomic layer deposition of alumina on porous polytetrafluoroethylene membranes for enhanced hydrophilicity and separation performances. Journal of Membrane Science, 2012, 415-416, 435-443.	4.1	81
35	Modification of ceramic membranes for pore structure tailoring: The atomic layer deposition route. Journal of Membrane Science, 2012, 397-398, 17-23.	4.1	80
36	Secondary growth of covalent organic frameworks (COFs) on porous substrates for fast desalination. Journal of Membrane Science, 2020, 604, 118090.	4.1	79

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37	Highly Porous Metal Oxide Networks of Interconnected Nanotubes by Atomic Layer Deposition. Nano Letters, 2012, 12, 5033-5038.	4.5	78
38	Growing covalent organic frameworks on porous substrates for molecule-sieving membranes with pores tunable from ultra- to nanofiltration. Journal of Membrane Science, 2019, 576, 116-122.	4.1	75
39	Polypropylene/Silica Nanocomposites Prepared by in-Situ Solâ^'Gel Reaction with the Aid of CO2. Macromolecules, 2005, 38, 5617-5624.	2.2	72
40	Hydrophilization of porous polypropylene membranes by atomic layer deposition of TiO2 for simultaneously improved permeability and selectivity. Journal of Membrane Science, 2013, 448, 215-222.	4.1	71
41	Enhanced response speed and selectivity of fluorescein-based H2S probe via the cleavage of nitrobenzene sulfonyl ester assisted by ortho aldehyde groups. Biosensors and Bioelectronics, 2017, 87, 96-100.	5.3	71
42	Structure and conformation properties of 1-alkyl-3-methylimidazolium halide ionic liquids: A density-functional theory study. Journal of Chemical Physics, 2005, 123, 174501.	1.2	70
43	Polydiacetylene-based sensor for highly sensitive and selective Pb2+ detection. Dyes and Pigments, 2015, 120, 307-313.	2.0	69
44	A highly sensitive and selective ratiometric fluorescent sensor for Zn2+ ion based on ICT and FRET. Dyes and Pigments, 2014, 102, 301-307.	2.0	68
45	Mesoporous Block Copolymer Nanorods by Swelling-Induced Morphology Reconstruction. Nano Letters, 2008, 8, 3548-3553.	4.5	67
46	Atomic-layer-deposition-enabled nonwoven membranes with hierarchical ZnO nanostructures for switchable water/oil separations. Journal of Membrane Science, 2015, 493, 478-485.	4.1	66
47	A mitochondria-targeting supramolecular photosensitizer based on pillar[5]arene for photodynamic therapy. Chemical Communications, 2017, 53, 3126-3129.	2.2	66
48	Ammonium-Bearing Dinuclear Copper(II) Complex: A Highly Selective and Sensitive Colorimetric Probe for Pyrophosphate. Organic Letters, 2014, 16, 2220-2223.	2.4	65
49	Advanced ultrafiltration membranes by leveraging microphase separation in macrophase separation of amphiphilic polysulfone block copolymers. Journal of Membrane Science, 2017, 525, 342-348.	4.1	64
50	Layer-by-Layer Synthesis of Covalent Organic Frameworks on Porous Substrates for Fast Molecular Separations. ACS Applied Nano Materials, 2018, 1, 6320-6326.	2.4	63
51	Preparation of Hyflon AD60/PVDF composite hollow fiber membranes for vacuum membrane distillation. Separation and Purification Technology, 2016, 157, 1-8.	3.9	62
52	Enhanced antifouling and antimicrobial thin film nanocomposite membranes with incorporation of Palygorskite/titanium dioxide hybrid material. Journal of Colloid and Interface Science, 2019, 537, 1-10.	5.0	62
53	Flexible and Robust Three-Dimensional Covalent Organic Framework Membranes for Precise Separations under Extreme Conditions. Nano Letters, 2021, 21, 8355-8362.	4.5	62
54	How Pore Hydrophilicity Influences Water Permeability?. Research, 2019, 2019, 2581241.	2.8	61

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55	Enhancing the hydrophilicity and water permeability of polypropylene membranes by nitric acid activation and metal oxide deposition. Journal of Membrane Science, 2015, 487, 109-116.	4.1	59
56	Influence of membrane hydrophilicity on water permeability: An experimental study bridging simulations. Journal of Membrane Science, 2020, 604, 118087.	4.1	58
57	Table-salt enabled interface-confined synthesis of covalent organic framework (COF) nanosheets. Chemical Science, 2020, 11, 989-996.	3.7	57
58	pH Sensitive polypropylene porous membrane prepared by grafting acrylic acid in supercritical carbon dioxide. Polymer, 2004, 45, 855-860.	1.8	56
59	Atomic layer deposition of TiO2 on carbon-nanotube membranes for enhanced capacitive deionization. Separation and Purification Technology, 2019, 213, 70-77.	3.9	56
60	Surface-active isoporous membranes nondestructively derived from perpendicularly aligned block copolymers for size-selective separation. Journal of Membrane Science, 2014, 466, 229-237.	4.1	54
61	A fluorescent probe with high selectivity to glutathione over cysteine and homocysteine based on positive effect of carboxyl on nucleophilic substitution in CTAB. Sensors and Actuators B: Chemical, 2014, 192, 708-713.	4.0	53
62	Single-Layered Nanosheets of Covalent Triazine Frameworks (CTFs) by Mild Oxidation for Molecular-Sieving Membranes. ACS Applied Materials & Interfaces, 2020, 12, 18944-18951.	4.0	53
63	Swelling-Induced Morphology Reconstruction in Block Copolymer Nanorods: Kinetics and Impact of Surface Tension During Solvent Evaporation. ACS Nano, 2011, 5, 1928-1938.	7.3	52
64	A highly sensitive and selective fluorescein-based fluorescence probe for Au3+ and its application in living cell imaging. Sensors and Actuators B: Chemical, 2015, 209, 1005-1010.	4.0	52
65	Solvothermal synthesis of mesoporous Eu2O3â€“TiO2 composites. Microporous and Mesoporous Materials, 2005, 81, 169-174.	2.2	51
66	ALD-seeded hydrothermally-grown Ag/ZnO nanorod PTFE membrane as efficient indoor air filter. Journal of Membrane Science, 2017, 531, 86-93.	4.1	51
67	A PEGylated colorimetric and turn-on fluorescent sensor based on BODIPY for Hg(<scp>ii</scp>) detection in water. Polymer Chemistry, 2015, 6, 4279-4289.	1.9	50
68	Stitching nanosheets of covalent organic frameworks to build aligned nanopores in nanofiltration membranes for precise ion separations. Journal of Membrane Science, 2021, 618, 118754.	4.1	50
69	Nanopatterned Carbon Films with Engineered Morphology by Direct Carbonization of UV-Stabilized Block Copolymer Films. Nano Letters, 2008, 8, 3993-3997.	4.5	49
70	Plasma activation of porous polytetrafluoroethylene membranes for superior hydrophilicity and separation performances via atomic layer deposition of TiO2. Journal of Membrane Science, 2013, 443, 62-68.	4.1	49
71	Recent advances in organicâ€“inorganic well-defined hybrid polymers using controlled living radical polymerization techniques. Polymer Chemistry, 2016, 7, 3950-3976.	1.9	49
72	An ESIPT-based fluorescent probe for highly selective detection of glutathione in aqueous solution and living cells. Dyes and Pigments, 2016, 129, 156-162.	2.0	49

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73	Ceramic tubular nanofiltration membranes with tunable performances by atomic layer deposition and calcination. Journal of Membrane Science, 2017, 528, 95-102.	4.1	47
74	The establishment of high-performance anti-fouling nanofiltration membranes via cooperation of annular supramolecular Cucurbit[6]uril and dendritic polyamidoamine. Journal of Membrane Science, 2020, 600, 117863.	4.1	47
75	Micropatterned Polymer Surfaces Induced by Nonsolvent. Langmuir, 2006, 22, 1928-1931.	1.6	46
76	Amphiphobic Polytetrafluoroethylene Membranes for Efficient Organic Aerosol Removal. ACS Applied Materials & Interfaces, 2016, 8, 8773-8781.	4.0	46
77	Resistance of water transport in carbon nanotube membranes. Nanoscale, 2018, 10, 13242-13249.	2.8	45
78	Covalent Organic Framework-Mediated Thin-Film Composite Polyamide Membranes toward Precise Ion Sieving. ACS Applied Materials & Interfaces, 2022, 14, 3427-3436.	4.0	45
79	Encapsulation of polystyrene within carbon nanotubes with the aid of supercritical CO2. Carbon, 2004, 42, 458-460.	5.4	44
80	Carbon Microspheres with Supported Silver Nanoparticles Prepared from Pollen Grains. Langmuir, 2005, 21, 10846-10849.	1.6	44
81	Nanoslitting of phase-separated block copolymers by solvent swelling for membranes with ultrahigh flux and sharp selectivity. Chemical Communications, 2014, 50, 12022-12025.	2.2	43
82	New surface crossâ€linking method to fabricate positively charged nanofiltration membranes for dye removal. Journal of Chemical Technology and Biotechnology, 2018, 93, 2281-2291.	1.6	43
83	Design of Blockâ€Copolymer Nanoporous Membranes for Robust and Safer Lithiumâ€Ion Battery Separators. Advanced Science, 2021, 8, 2003096.	5.6	43
84	High damping property of microcellular polymer prepared by friendly environmental approach. Journal of Supercritical Fluids, 2005, 33, 259-267.	1.6	41
85	Mesoporous Polymer Nanofibers by Infiltration of Block Copolymers with Sacrificial Domains into Porous Alumina. Chemistry of Materials, 2008, 20, 379-381.	3.2	41
86	Ion Rejection in Covalent Organic Frameworks: Revealing the Overlooked Effect of In-Pore Transport. ACS Applied Materials & Interfaces, 2019, 11, 45246-45255.	4.0	40
87	Responsive Micellar Films of Amphiphilic Block Copolymer Micelles: Control on Micelle Opening and Closing. Langmuir, 2010, 26, 8869-8874.	1.6	39
88	Photocontrollable release and enhancement of photodynamic therapy based on hostâ€“guest supramolecular amphiphiles. Journal of Materials Chemistry B, 2015, 3, 7417-7426.	2.9	39
89	Pressure-modulated synthesis of self-repairing covalent organic frameworks (COFs) for high-flux nanofiltration. Journal of Membrane Science, 2021, 618, 118727.	4.1	39
90	How Pore Hydrophilicity Influences Water Permeability?. Research, 2019, 2019, 1-10.	2.8	39

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91	Dye adsorption on zinc oxide nanoparticulates atomicâ€layerâ€deposited on polytetrafluoroethylene membranes. AICHE Journal, 2016, 62, 3982-3991.	1.8	38
92	Substrate matters: The influences of substrate layers on the performances of thin-film composite reverse osmosis membranes. Chinese Journal of Chemical Engineering, 2017, 25, 1676-1684.	1.7	38
93	Selective Swelling of Block Copolymers: An Upscalable Greener Process to Ultrafiltration Membranes?. Macromolecules, 2020, 53, 5-17.	2.2	38
94	Secondary growth of bi-layered covalent organic framework nanofilms with offset channels for desalination. Journal of Membrane Science, 2021, 624, 119122.	4.1	38
95	Porous block copolymer separation membranes for 21st century sanitation and hygiene. Chemical Society Reviews, 2021, 50, 6333-6348.	18.7	38
96	Selective Hydrogenation of Nitroarenes and Olefins over Rhodium Nanoparticles on Hydroxyapatite. Advanced Synthesis and Catalysis, 2012, 354, 2689-2694.	2.1	37
97	Extremely Efficient and Recyclable Absorbents for Oily Pollutants Enabled by Ultrathin-Layered Functionalization. ACS Applied Materials & Interfaces, 2014, 6, 18816-18823.	4.0	37
98	Water Flow inside Polamide Reverse Osmosis Membranes: A Non-Equilibrium Molecular Dynamics Study. Journal of Physical Chemistry B, 2017, 121, 1715-1722.	1.2	37
99	Atomic-layer-deposition-enabled thin-film composite membranes of polyimide supported on nanoporous anodized alumina. Journal of Membrane Science, 2017, 535, 56-62.	4.1	37
100	Additive-free preparation of hemodialysis membranes from block copolymers of polysulfone and polyethylene glycol. Journal of Membrane Science, 2021, 618, 118690.	4.1	37
101	Phase-Separation-Induced Micropatterned Polymer Surfaces and Their Applications. Advanced Functional Materials, 2005, 15, 655-663.	7.8	36
102	Antifouling ultrafiltration membranes by selective swelling of polystyrene/poly(ethylene oxide) block copolymers. Journal of Membrane Science, 2017, 542, 226-232.	4.1	36
103	Selective Swelling of Electrospun Block Copolymers: From Perforated Nanofibers to High Flux and Responsive Ultrafiltration Membranes. Macromolecules, 2018, 51, 2283-2292.	2.2	36
104	Calibration of optically trapped nanotools. Nanotechnology, 2010, 21, 175501.	1.3	35
105	Highly ordered TiO₂nanostructures by sequential vapour infiltration of block copolymer micellar films in an atomic layer deposition reactor. Journal of Materials Chemistry C, 2013, 1, 1029-1036.	2.7	35
106	Replication of biological organizations through a supercritical fluid route. Chemical Communications, 2005, , 2948.	2.2	34
107	Atomic layer deposition of metal oxides on carbon nanotube fabrics for robust, hydrophilic ultrafiltration membranes. Journal of Membrane Science, 2018, 550, 246-253.	4.1	34
108	Atomic layer deposition for membrane modification, functionalization and preparation: A review. Journal of Membrane Science, 2022, 658, 120740.	4.1	34

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109	Fabrication of ceramic membrane supported palladium catalyst and its catalytic performance in liquid-phase hydrogenation reaction. Chemical Engineering Journal, 2017, 313, 1556-1566.	6.6	33
110	Nanoporous block copolymer membranes immobilized with gold nanoparticles for continuous flow catalysis. Polymer Chemistry, 2019, 10, 1642-1649.	1.9	33
111	Fabrication of Supported Mesoporous TiO₂ Membranes: Matching the Assembled and Interparticle Pores for an Improved Ultrafiltration Performance. ACS Applied Materials & Interfaces, 2009, 1, 1607-1612.	4.0	32
112	Turning Low-Cost Filter Papers to Highly Efficient Membranes for Oil/Water Separation by Atomic-Layer-Deposition-Enabled Hydrophobization. Industrial & Engineering Chemistry Research, 2014, 53, 16516-16522.	1.8	32
113	Isoporous membranes with gradient porosity by selective swelling of UV-crosslinked block copolymers. Journal of Membrane Science, 2015, 476, 449-456.	4.1	32
114	Atomic layer deposition fabricating of ceramic nanofiltration membranes for efficient separation of dyes from water. AICHE Journal, 2018, 64, 2670-2678.	1.8	32
115	Enabling Covalent Organic Framework Nanofilms for Molecular Separation: Perforated Polymer-Assisted Transfer. ACS Applied Materials & Interfaces, 2019, 11, 44783-44791.	4.0	32
116	Multifunctional hybrid porous filters with hierarchical structures for simultaneous removal of indoor VOCs, dusts and microorganisms. Nanoscale, 2017, 9, 5433-5444.	2.8	31
117	Nanoporous polysulfones with in situ PEGylated surfaces by a simple swelling strategy using paired solvents. Chemical Communications, 2017, 53, 9105-9108.	2.2	31
118	Molecularly engineered three-dimensional covalent organic framework protection films for highly stable zinc anodes in aqueous electrolyte. Energy Storage Materials, 2022, 51, 391-399.	9.5	31
119	Carbon nanotube/poly(2,4-hexadiyne-1,6-diol) nanocomposites prepared with the aid of supercritical CO2. Chemical Communications, 2004, , 2190.	2.2	30
120	Water Flow through Interlayer Channels of Two-Dimensional Materials with Various Hydrophilicities. Journal of Physical Chemistry C, 2018, 122, 15772-15779.	1.5	30
121	A promising carbon fiber-based photocatalyst with hierarchical structure for dye degradation. RSC Advances, 2017, 7, 22234-22242.	1.7	29
122	Efficient perovskite solar cells based on novel three-dimensional TiO2 network architectures. Science Bulletin, 2016, 61, 778-786.	4.3	28
123	Effect of hydrophilicity on water transport through sub-nanometer pores. Journal of Membrane Science, 2020, 611, 118297.	4.1	28
124	Dual-layered covalent organic framework/MXene membranes with short paths for fast water treatment. Journal of Membrane Science, 2022, 658, 120761.	4.1	28
125	Chemoselective Transfer Hydrogenation of Aldehydes and Ketones with a Heterogeneous Iridium Catalyst in Water. Catalysis Letters, 2015, 145, 1008-1013.	1.4	27
126	Filtration-Based Synthesis of Micelle-Derived Composite Membranes for High-Flux Ultrafiltration. ACS Applied Materials & Interfaces, 2015, 7, 6974-6981.	4.0	27

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127	Highly efficient palladium catalysts supported on nitrogen contained polymers for Suzuki-Miyaura reaction. Catalysis Communications, 2016, 82, 24-28.	1.6	27
128	Homoporous Membranes with Tailored Pores by Soaking Block Copolymer/Homopolymer Blends in Selective Solvents: Dissolution versus Swelling. Macromolecules, 2016, 49, 215-223.	2.2	27
129	Advanced SERS Sensor Based on Capillarity-Assisted Preconcentration through Gold Nanoparticle-Decorated Porous Nanorods. Small, 2017, 13, 1603947.	5.2	27
130	Tailoring TiO2 membranes for nanofiltration and tight ultrafiltration by leveraging molecular layer deposition and crystallization. Journal of Membrane Science, 2019, 578, 149-155.	4.1	27
131	Nanofluidic Behaviors of Water and Ions in Covalent Triazine Framework (CTF) Multilayers. Small, 2020, 16, e1903879.	5.2	27
132	CO2-responsive graphene oxide nanofiltration membranes for switchable rejection to cations and anions. Journal of Membrane Science, 2019, 592, 117374.	4.1	26
133	Reduced air sensitivity and improved electrochemical stability of P2â€“Na2/3Mn1/2Fe1/4Co1/4O2 through atomic layer deposition-assisted Al2O3 coating. Composites Part B: Engineering, 2019, 173, 106913.	5.9	26
134	Chemically Laminating Graphene Oxide Nanosheets with Phenolic Nanomeshes for Robust Membranes with Fast Desalination. Nano Letters, 2021, 21, 8236-8243.	4.5	26
135	Enhanced Catalytic Properties of Palladium Nanoparticles Deposited on a Silanized Ceramic Membrane Support with a Flow-Through Method. Industrial & Engineering Chemistry Research, 2013, 52, 14099-14106.	1.8	25
136	Atomic layer deposition of polyimide on microporous polyethersulfone membranes for enhanced and tunable performances. AICHE Journal, 2014, 60, 3614-3622.	1.8	25
137	Fabrication of interconnected mesoporous carbon sheets for use in high-performance supercapacitors. New Carbon Materials, 2017, 32, 213-220.	2.9	25
138	Atomic layer deposition of hybrid metal oxides on carbon nanotube membranes for photodegradation of dyes. Composites Communications, 2019, 12, 39-46.	3.3	25
139	Thickness-dependent ion rejection in nanopores. Journal of Membrane Science, 2020, 601, 117899.	4.1	25
140	Uniform and Conformal Carbon Nanofilms Produced Based on Molecular Layer Deposition. Materials, 2013, 6, 5602-5612.	1.3	24
141	Orthogonal Approach to Construct Cell-Like Vesicles via Pillar[5]arene-Based Amphiphilic Supramolecular Polymers. ACS Macro Letters, 2016, 5, 112-117.	2.3	24
142	Selective swelling of block copolymer ultrafiltration membranes for enhanced water permeability and fouling resistance. Journal of Membrane Science, 2018, 558, 106-112.	4.1	24
143	Metal ions â€˜sewingâ€™ isoporous membranes with polystyrene-block-poly (acrylic acid) block copolymer. Journal of Membrane Science, 2019, 587, 117086.	4.1	24
144	The hydroxylation of benzene to phenol over heteropolyacid encapsulated in silica. Catalysis Communications, 2014, 55, 34-37.	1.6	23

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145	A dinuclear-copper(II) complex-based sensor for pyrophosphate and its applications to detecting pyrophosphatase activity and monitoring polymerase chain reaction. Sensors and Actuators B: Chemical, 2016, 233, 591-598.	4.0	23
146	Direct silanization of polyurethane foams for efficient selective absorption of oil from water. AICHE Journal, 2017, 63, 2232-2240.	1.8	23
147	Colorimetric and fluorometric assays for acetylcholinesterase and its inhibitors screening based on a fluorescein derivate. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 552-555.	1.0	22
148	Selective and recyclable rhodium nanocatalysts for the reductive N-alkylation of nitrobenzenes and amines with aldehydes. RSC Advances, 2015, 5, 56936-56941.	1.7	22
149	N-Doping Carbon-Nanotube Membrane Electrodes Derived from Covalent Organic Frameworks for Efficient Capacitive Deionization. Langmuir, 2020, 36, 12030-12037.	1.6	22
150	Boron removal by water molecules inside covalent organic framework (COF) multilayers. Desalination, 2022, 526, 115548.	4.0	22
151	Synthesis and characterization of polyether structure carbon nitride. Journal of Materials Research, 2004, 19, 1736-1741.	1.2	21
152	Compressed-CO2-Assisted Patterning of Polymers. Journal of Physical Chemistry B, 2005, 109, 12376-12379.	1.2	21
153	Highly Permeable and Robust Responsive Nanoporous Membranes by Selective Swelling of Triblock Terpolymers with a Rubbery Block. Macromolecules, 2016, 49, 182-191.	2.2	21
154	In Situ Growth of Cationic Covalent Organic Frameworks (COFs) for Mixed Matrix Membranes with Enhanced Performances. Langmuir, 2020, 36, 10970-10978.	1.6	21
155	Effect of hydrophilicity on ion rejection of sub-nanometer pores. Separation and Purification Technology, 2021, 257, 117937.	3.9	21
156	Insights into membrane fouling of a side-stream ceramic membrane reactor for phenol hydroxylation over ultrafine TS-1. Chemical Engineering Journal, 2014, 239, 373-380.	6.6	20
157	Highly permeable nanoporous block copolymer membranes by machine-casting on nonwoven supports: An upscalable route. Journal of Membrane Science, 2017, 533, 201-209.	4.1	20
158	Design of gradient nanopores in phenolics for ultrafast water permeation. Chemical Science, 2019, 10, 2093-2100.	3.7	20
159	Simultaneous zwitterionization and selective swelling-induced pore generation of block copolymers for antifouling ultrafiltration membranes. Journal of Membrane Science, 2020, 599, 117833.	4.1	20
160	Pressure-Dependent Ion Rejection in Nanopores. Journal of Physical Chemistry C, 2020, 124, 20498-20505.	1.5	20
161	Hollow-fiber membranes of block copolymers by melt spinning and selective swelling. Journal of Membrane Science, 2021, 632, 119374.	4.1	20
162	Large-pore covalent organic frameworks for ultra-fast tight ultrafiltration (TUF). Journal of Membrane Science, 2021, 637, 119635.	4.1	20

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163	Stretched homoporous composite membranes with elliptic nanopores for external-energy-free ultrafiltration. Chemical Communications, 2016, 52, 6899-6902.	2.2	19
164	Molecular Simulations of Water Transport Resistance in Polyamide RO Membranes: Interfacial and Interior Contributions. Engineering, 2020, 6, 577-584.	3.2	19
165	Selective-swelling-induced porous block copolymers and their robust TiO2 replicas via atomic layer deposition for antireflective applications. Journal of Materials Chemistry C, 2013, 1, 5133.	2.7	18
166	Interconnected mesoporous carbon sheet for supercapacitors from low-cost resources. Materials Letters, 2015, 158, 237-240.	1.3	18
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