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List of Publications by Year
in descending order

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40 papers	3,672 citations	186265 28 h-index	289244 40 g-index
40 all docs	40 docs citations	40 times ranked	3715 citing authors

#	Article	IF	Citations
1	Cell Membraneâ€Inspired Graphene Nanomesh Membrane for Fast Separation of Oilâ€inâ€Water Emulsions. Advanced Functional Materials, 2022, 32, .	14.9	19
2	Increased E. coli bio-adsorption resistance of microfiltration membranes, using a bio-inspired approach. Science of the Total Environment, 2021, 751, 141777.	8.0	6
3	Mixed-dimensional membranes: chemistry and structureâ€“property relationships. Chemical Society Reviews, 2021, 50, 11747-11765.	38.1	51
4	Engineering multi-pathway graphene oxide membranes toward ultrafast water purification. Journal of Membrane Science, 2021, 638, 119706.	8.2	24
5	In situ construction of chemically heterogeneous hydrogel surfaces toward near-zero-flux-decline membranes for oil-water separation. Journal of Membrane Science, 2020, 594, 117455.	8.2	50
6	Producing methylcyclopentadiene dimer and trimer based high-performance jet fuels using 5-methyl furfural. Green Chemistry, 2020, 22, 7765-7768.	9.0	35
7	Ultrathin fluorinated self-cleaning membranes via coordination-driven metal-bridging assembly for water purification. Journal of Materials Chemistry A, 2020, 8, 4505-4514.	10.3	31
8	Mixed Nanosheet Membranes Assembled from Chemically Grafted Graphene Oxide and Covalent Organic Frameworks for Ultra-high Water Flux. ACS Applied Materials & Interfaces, 2019, 11, 28978-28986.	8.0	72
9	Constructing membrane surface with synergistic passive antifouling and active antibacterial strategies through organic-inorganic composite modifier. Journal of Membrane Science, 2019, 576, 150-160.	8.2	32
10	Reduced graphene oxide aerogel membranes fabricated through hydrogen bond mediation for highly efficient oil/water separation. Journal of Materials Chemistry A, 2019, 7, 11468-11477.	10.3	54
11	Graphene oxide membranes with an ultra-large interlayer distance through vertically grown covalent organic framework nanosheets. Journal of Materials Chemistry A, 2019, 7, 25458-25466.	10.3	28
12	Covalent organic framework-modulated interfacial polymerization for ultrathin desalination membranes. Journal of Materials Chemistry A, 2019, 7, 25641-25649.	10.3	173
13	Manipulating membrane surface porosity and pore size by in-situ assembly of Pluronic F127 and tannin. Journal of Membrane Science, 2018, 556, 285-292.	8.2	41
14	Antifouling membrane surface construction: Chemistry plays a critical role. Journal of Membrane Science, 2018, 551, 145-171.	8.2	309
15	2D Heterostructure Membranes with Sunlightâ€Driven Selfâ€Cleaning Ability for Highly Efficient Oilâ€“Water Separation. Advanced Functional Materials, 2018, 28, 1706545.	14.9	182
16	Mussel-inspired construction of organic-inorganic interfacial nanochannels for ion/organic molecule selective permeation. Journal of Membrane Science, 2018, 555, 337-347.	8.2	29
17	Creation of active-passive integrated mechanisms on membrane surfaces for superior antifouling and antibacterial properties. Journal of Membrane Science, 2018, 548, 621-631.	8.2	67
18	Polyphenol-assisted in-situ assembly for antifouling thin-film composite nanofiltration membranes. Journal of Membrane Science, 2018, 566, 258-267.	8.2	43

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19	Self-assembled MOF membranes with underwater superoleophobicity for oil/water separation. Journal of Membrane Science, 2018, 566, 268-277.	8.2	143
20	Asymmetric Aerogel Membranes with Ultrafast Water Permeation for the Separation of Oil-in-Water Emulsion. ACS Applied Materials & Interfaces, 2018, 10, 26546-26554.	8.0	59
21	In-situ construction of antifouling separation layer via a reaction enhanced surface segregation method. Chemical Engineering Science, 2018, 190, 89-97.	3.8	27
22	Synergy of the mechanical, antifouling and permeation properties of a carbon nanotube nanohybrid membrane for efficient oil/water separation. Nanoscale, 2017, 9, 7508-7518.	5.6	63
23	Two types of oil modified tips as force sensors to detect adhesion forces between oil and membrane surfaces in fluid. Sensors and Actuators A: Physical, 2017, 267, 127-134.	4.1	4
24	Achieving persistent high-flux membranes via kinetic and thermodynamic synergistic manipulation of surface segregation process. Journal of Membrane Science, 2017, 540, 333-343.	8.2	16
25	Antifouling, high-flux oil/water separation carbon nanotube membranes by polymer-mediated surface charging and hydrophilization. Journal of Membrane Science, 2017, 542, 254-263.	8.2	96
26	Engineering amphiphilic nanofiltration membrane surfaces with a multi-defense mechanism for improved antifouling performances. Journal of Materials Chemistry A, 2016, 4, 7892-7902.	10.3	66
27	Fabrication and characterization of antifouling carbon nanotube/polyethersulfone ultrafiltration membranes. RSC Advances, 2016, 6, 35532-35538.	3.6	13
28	Antifouling high-flux membranes via surface segregation and phase separation controlled by the synergy of hydrophobic and hydrogen bond interactions. Journal of Membrane Science, 2016, 520, 814-822.	8.2	52
29	Antifouling membranes for sustainable water purification: strategies and mechanisms. Chemical Society Reviews, 2016, 45, 5888-5924.	38.1	977
30	Fabrication of electro-neutral nanofiltration membranes at neutral pH with antifouling surface via interfacial polymerization from a novel zwitterionic amine monomer. Journal of Membrane Science, 2016, 503, 101-109.	8.2	126
31	Manipulating the multifunctionalities of polydopamine to prepare high-flux anti-biofouling composite nanofiltration membranes. RSC Advances, 2016, 6, 32863-32873.	3.6	23
32	Free-Standing Graphene Oxide-Palygorskite Nanohybrid Membrane for Oil/Water Separation. ACS Applied Materials & Interfaces, 2016, 8, 8247-8256.	8.0	214
33	Manipulating the segregation behavior of polyethylene glycol by hydrogen bonding interaction to endow ultrafiltration membranes with enhanced antifouling performance. Journal of Membrane Science, 2016, 499, 56-64.	8.2	91
34	Enhanced membrane antifouling and separation performance by manipulating phase separation and surface segregation behaviors through incorporating versatile modifier. Journal of Membrane Science, 2016, 499, 406-417.	8.2	54
35	Green coating by coordination of tannic acid and iron ions for antioxidant nanofiltration membranes. RSC Advances, 2015, 5, 107777-107784.	3.6	141
36	Highly specific detection of thrombin using an aptamer-based suspension array and the interaction analysis via microscale thermophoresis. Analyst, The, 2015, 140, 2762-2770.	3.5	33

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37	Fabrication of antifouling polymerâ€“inorganic hybrid membranes through the synergy of biomimetic mineralization and nonsolvent induced phase separation. Journal of Materials Chemistry A, 2015, 3, 7287-7295.	10.3	84
38	Preparation of Antifouling Nanofiltration Membrane via Interfacial Polymerization of Fluorinated Polyamine and Trimesoyl Chloride. Industrial & Engineering Chemistry Research, 2015, 54, 8302-8310.	3.7	25
39	Improved antifouling properties of polyethersulfone membrane by blending the amphiphilic surface modifier with crosslinked hydrophobic segments. Journal of Membrane Science, 2015, 486, 195-206.	8.2	85
40	Multiple antifouling capacities of hybrid membranes derived from multifunctional titania nanoparticles. Journal of Membrane Science, 2015, 495, 226-234.	8.2	34