List of Publications by Year in descending order

29 papers	1,854 citations	361413 20 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	2270 citing authors

#	Article	IF	Citations
1	A modified mussel-inspired method to fabricate TiO2 decorated superhydrophilic PVDF membrane for oil/water separation. Journal of Membrane Science, 2016, 506, 60-70.	8.2	411
2	Novel polyvinylidene fluoride nanofiltration membrane blended with functionalized halloysite nanotubes for dye and heavy metal ions removal. Journal of Hazardous Materials, 2016, 317, 60-72.	12.4	260
3	Application of dopamine-modified halloysite nanotubes/PVDF blend membranes for direct dyes removal from wastewater. Chemical Engineering Journal, 2017, 323, 572-583.	12.7	181
4	Bio-inspired method for preparation of multiwall carbon nanotubes decorated superhydrophilic poly(vinylidene fluoride) membrane for oil/water emulsion separation. Chemical Engineering Journal, 2017, 321, 245-256.	12.7	155
5	Synergistic effect of graphene oxide@phosphate-intercalated hydrotalcite for improved anti-corrosion and self-healable protection of waterborne epoxy coating in salt environments. Journal of Materials Chemistry C, 2019, 7, 2318-2326.	5.5	101
6	The roles of oxygen-containing functional groups in modulating water purification performance of graphene oxide-based membrane. Chemical Engineering Journal, 2020, 389, 124375.	12.7	81
7	Hierarchically Stabilized PAN/Î²-FeOOH Nanofibrous Membrane for Efficient Water Purification with Excellent Antifouling Performance and Robust Solvent Resistance. ACS Applied Materials & Interfaces, 2019, 11, 34487-34496.	8.0	77
8	A photo-Fenton self-cleaning membrane based on NH2-MIL-88B (Fe) and graphene oxide to improve dye removal performance. Journal of Membrane Science, 2021, 626, 119192.	8.2	72
9	A facile electrodeposition process to fabricate corrosion-resistant superhydrophobic surface on carbon steel. Applied Surface Science, 2016, 368, 435-442.	6.1	54
10	Nature-inspired polyphenol chemistry to fabricate halloysite nanotubes decorated PVDF membrane for the removal of wastewater. Separation and Purification Technology, 2019, 212, 326-336.	7.9	44
11	Preparation of a novel anti-fouling Î²-cyclodextrinâ€“PVDF membrane. RSC Advances, 2015, 5, 51364-51370.	3.6	41
12	One-step hydrothermal synthesis of reduced graphene oxide/aspartic acid intercalated layered double hydroxide for enhancing barrier and self-healing properties of epoxy coating. Reactive and Functional Polymers, 2019, 145, 104380.	4.1	40
13	Preparation of stable and superior flux GO/LDH/PDAâ€based nanofiltration membranes through electrostatic selfâ€assembly for dye purification. Polymers for Advanced Technologies, 2019, 30, 1644-1655.	3.2	37
14	Weak-reduction graphene oxide membrane for improving water purification performance. Journal of Materials Science and Technology, 2020, 39, 106-112.	10.7	36
15	Facile way in fabricating a cotton fabric membrane for switchable oil/water separation and water purification. Applied Surface Science, 2018, 441, 500-507.	6.1	29
16	Facile fabrication of a robust superwetting three-dimensional (3D) nickel foam for oil/water separation. Journal of Materials Science, 2017, 52, 2169-2179.	3.7	27
17	Superhydrophobic LDH/TTOS composite surface based on microstructure for the anti-corrosion, anti-fouling and oil-water separation application. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 622, 126558.	4.7	26
18	Facile preparation of a smart membrane with ammonia-responsive wettability transition for controllable oil/water separation. Journal of Materials Science, 2018, 53, 516-527.	3.7	23

#	Article	IF	Citations
19	Intercalation of soft PPy polymeric nanoparticles in graphene oxide membrane for enhancing nanofiltration performances. Separation and Purification Technology, 2021, 272, 118933.	7.9	22
20	Controlled reduction and fabrication of graphene oxide membrane for improved permeance and water purification performance. Journal of Materials Science, 2020, 55, 15130-15139.	3.7	20
21	Novel dual superlyophobic cellulose membrane for multiple oil/water separation. Chemosphere, 2020, 241, 125067.	8.2	19
22	Stable graphene oxide-based composite membranes intercalated with montmorillonite nanoplatelets for water purification. Journal of Materials Science, 2019, 54, 2241-2255.	3.7	18
23	Core-shell PPy@TiO2 enable GO membranes with controllable and stable dye desalination properties. Desalination, 2022, 526, 115523.	8.2	17
24	Facile way in building superhydrophobic zirconium surface for controllable water-oil separation. Materials Letters, 2017, 188, 115-118.	2.6	16
25	Facile fabrication of activated NiFe bimetallic NPs anchored N-doped CNTs arrays as reliable self-standing electrocatalyst for HER and OER. Journal of Solid State Chemistry, 2020, 289, 121498.	2.9	15
26	Robust self-cleaning urchin-like Ni/Co LDH stainless steel mesh for gravity-driven oil/water emulsion separation and catalytic degradation of aromatic dyes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127186.	4.7	14
27	Bio-inspired antifouling Cellulose nanofiber multifunctional filtration membrane for highly efficient emulsion separation and application in water purification. Korean Journal of Chemical Engineering, 2020, 37, 1751-1760.	2.7	8
28	Intercalation of N-doped graphene into graphene oxide-based membranes to improve their overall nanofiltration performance. Chemical Physics Letters, 2021, 775, 138657.	2.6	5
29	A self-cleaning membrane based on NG/g-C3N4 and graphene oxide with enhanced nanofiltration performance. Journal of Materials Science, 2022, 57, 9118-9133.	3.7	5