Chao Yang

List of Publications by Year
in descending order

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30	1,093	346980 22	511568 30
papers	citations	h-index	g-index

30	30	30	1196
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cationic covalent organic framework membranes with stable proton transfer channel for acid recovery. Chemical Engineering Journal, 2022, 428, 131124.	6.6	31
2	Ultrathin nanofiltration membrane assembled by polyethyleneimine-grafted graphene quantum dots. Journal of Membrane Science, 2022, 642, 119944.	4.1	25
3	Ultrathin polyamide nanofiltration membranes with tunable chargeability for multivalent cation removal. Journal of Membrane Science, 2022, 642, 119971.	4.1	47
4	Mix-charged polyamide membranes via molecular hybridization for selective ionic nanofiltration. Journal of Membrane Science, 2022, 644, 120051.	4.1	29
5	Perfluorooctanoyl chloride engineering toward high-flux antifouling polyamide nanofilms for desalination. Journal of Membrane Science, 2022, 644, 120166.	4.1	10
6	Charged nanochannels endow COF membrane with weakly concentration-dependent methanol permeability. Journal of Membrane Science, 2022, 645, 120186.	4.1	10
7	Enhanced Electro-Fenton Degradation of Ciprofloxacin by Membrane Aeration. Industrial & Engineering Chemistry Research, 2022, 61, 8141-8148.	1.8	8
8	Modulating interfacial polymerization with phytate as aqueous-phase additive for highly-permselective nanofiltration membranes. Journal of Membrane Science, 2022, 657, 120673.	4.1	47
9	Superwetting membranes: from controllable constructions to efficient separations. Journal of Materials Chemistry A, 2021, 9, 1395-1417.	5.2	46
10	Tuning the pore size of graphene quantum dots composite nanofiltration membranes by P-aminobenzoic acid for enhanced dye/salt separation. Separation and Purification Technology, 2021, 263, 118372.	3.9	16
11	Scalable Fabrication of Crystalline COF Membranes from Amorphous Polymeric Membranes. Angewandte Chemie - International Edition, 2021, 60, 18051-18058.	7.2	81
12	Scalable Fabrication of Crystalline COF Membranes from Amorphous Polymeric Membranes. Angewandte Chemie, 2021, 133, 18199-18206.	1.6	7
13	Engineering dual-heterogeneous membrane surface with heterostructured modifier to integrate multi-defense antifouling mechanisms. Chemical Engineering Science: X, 2021, 11, 100103.	1.5	1
14	Loosening ultrathin polyamide nanofilms through alkali hydrolysis for high-permselective nanofiltration. Journal of Membrane Science, 2021, 637, 119623.	4.1	25
15	Electrostatic enhanced surface segregation approach to self-cleaning and antifouling membranes for efficient molecular separation. Journal of Membrane Science, 2021, 638, 119689.	4.1	25
16	Engineering multi-pathway graphene oxide membranes toward ultrafast water purification. Journal of Membrane Science, 2021, 638, 119706.	4.1	24
17	Fabrication of P(AN-MA)/rGO-g-PAO Superhydrophilic Nanofiber Membrane for Removal of Heavy Metal Ions. Journal of Nanoscience and Nanotechnology, 2020, 20, 1685-1696.	0.9	7
18	Superhydrophobic Covalent Organic Frameworks Prepared via Pore Surface Modifications for Functional Coatings under Harsh Conditions. ACS Applied Materials & Interfaces, 2020, 12, 2926-2934.	4.0	59

#	Article	IF	Citations
19	Degradation of Acid Red 73 by Activated Persulfate in a Heat/Fe₃O₄@AC System with Ultrasound Intensification. ACS Omega, 2020, 5, 13739-13750.	1.6	32
20	The role of seashell wastes in TiO2/Seashell composites: Photocatalytic degradation of methylene blue dye under sunlight. Environmental Research, 2020, 188, 109831.	3.7	35
21	Ultrathin fluorinated self-cleaning membranes via coordination-driven metal-bridging assembly for water purification. Journal of Materials Chemistry A, 2020, 8, 4505-4514.	5.2	31
22	The comparison of dissolved organic matter in hydrochars and biochars from pig manure. Science of the Total Environment, 2020, 720, 137423.	3.9	73
23	Amphiphilic cellulose for enhancing the antifouling and separation performances of poly (acrylonitrile-co-methyl acrylate) ultrafiltration membrane. Journal of Membrane Science, 2019, 591, 117276.	4.1	23
24	Confined Fe₂VO₄âŠ,Nitrogenâ€Doped Carbon Nanowires with Internal Void Space for Highâ€Rate and Ultrastable Potassiumâ€Ion Storage. Advanced Energy Materials, 2019, 9, 1902674.	10.2	81
25	Electrostatic Assembly of a Titanium Dioxide@Hydrophilic Poly(phenylene sulfide) Porous Membrane with Enhanced Wetting Selectivity for Separation of Strongly Corrosive Oilâ€“Water Emulsions. ACS Applied Materials & Interfaces, 2019, 11, 35479-35487.	4.0	62
26	Design of a Janus F-TiO₂@PPS Porous Membrane with Asymmetric Wettability for Switchable Oil/Water Separation. ACS Applied Materials & Interfaces, 2019, 11, 22408-22418.	4.0	122
27	Adhesive-free in situ synthesis of a coral-like titaniumÂdioxide@poly(phenylene sulfide) microporous membrane for visible-light photocatalysis. Chemical Engineering Journal, 2019, 374, 1382-1393.	6.6	48
28	Highly Efficient Purification of Multicomponent Wastewater by Electrospinning Kidney-Bean-Skin-like Porous H-PPAN/rGO-g-PAO@Ag⁺/Ag Composite Nanofibrous Membranes. ACS Applied Materials & Interfaces, 2019, 11, 46920-46929.	4.0	26
29	Fabrication of a PPS Microporous Membrane for Efficient Water-in-Oil Emulsion Separation. Langmuir, 2018, 34, 10580-10590.	1.6	51
30	Synthesis of aragonite CaCO₃ nanocrystals by reactive crystallization in a high shear mixer. Crystal Research and Technology, 2017, 52, 1700002.	0.6	11