Hai-Yin Yu

List of Publications by Year
in descending order

48	1,984	218677	243625
papers	citations	26 h-index	44 g-index

48	48	48	1986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation of poly(arylene ether ketone) based anion exchange membrane with pendant pyrimidinium and pyridazinium cation derivatives for alkaline fuel cell. Journal of Membrane Science, 2022, 659, 120778.	8.2	19
2	Strong Lightâ€“Matter Interactions in Chiral Plasmonicâ€“Excitonic Systems Assembled on DNA Origami. Nano Letters, 2021, 21, 3573-3580.	9.1	38
3	Structural parameters reduction in polyamide forward osmosis membranes via click modification of the polysulfone support. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124082.	4.7	20
4	Shape-controllable Synthesis of Functional Nanomaterials on DNA Templates. Chemical Research in Chinese Universities, 2020, 36, 171-176.	2.6	4
5	Bioinspired Supramolecular Catalysts from Designed Self-Assembly of DNA or Peptides. ACS Catalysis, 2020, 10, 14937-14958.	11.2	48
6	Friedel-Crafts self-crosslinking of sulfonated poly(etheretherketone) composite proton exchange membrane doped with phosphotungstic acid and carbon-based nanomaterials for fuel cell applications. Journal of Membrane Science, 2020, 611, 118381.	8.2	37
7	Amphiphilic Block Copolymer of Poly(dimethylsiloxane) and Methoxypolyethylene Glycols for High-Permeable Polysulfone Membrane Preparation. ACS Omega, 2019, 4, 13052-13060.	3.5	6
8	Top-Down Strategy of Implantable Biosensor Using Adaptable, Porous Hollow Fibrous Membrane. ACS Sensors, 2019, 4, 931-937.	7.8	34
9	Chlorineâ€resistant and internalâ€concentrationâ€polarizationâ€mitigated polyamide membrane via tethering poly(ethylene glycol) methacrylate. Journal of Applied Polymer Science, 2019, 136, 47406.	2.6	5
10	Grafting Branch Length and Density Dependent Performance of Zwitterionic Polymer Decorated Polypropylene Membrane. Chinese Journal of Polymer Science (English Edition), 2018, 36, 528-535.	3.8	11
11	Methoxypolyethylene glycol grafting on polypropylene membrane for enhanced antifouling characteristics â€“ Effect of pendant length and grafting density. Separation and Purification Technology, 2016, 164, 81-88.	7.9	21
12	Layer-by-layer assembly of graphene oxide on polypropylene macroporous membranes via click chemistry to improve antibacterial and antifouling performance. Applied Surface Science, 2015, 332, 300-307.	6.1	60
13	Grafting polyzwitterions onto polyamide by click chemistry and nucleophilic substitution on nitrogen: A novel approach to enhance membrane fouling resistance. Journal of Membrane Science, 2014, 449, 50-57.	8.2	121
14	Integration of RAFT polymerization and click chemistry to fabricate PAMPS modified macroporous polypropylene membrane for protein fouling mitigation. Journal of Colloid and Interface Science, 2014, 435, 43-50.	9.4	12
15	DNA Nanostructureâ€Based Imaging Probes and Drug Carriers. ChemMedChem, 2014, 9, 2013-2020.	3.2	25
16	Polymeric Membrane Science and Technology. International Journal of Polymer Science, 2013, 2013, 1-2.	2.7	0
17	Surface modification of polypropylene macroporous membrane by marrying RAFT polymerization with click chemistry. Journal of Membrane Science, 2012, 421-422, 60-68.	8.2	42
18	Low protein fouling polypropylene membrane prepared by photoinduced reversible additionâ€fragmentation chain transfer polymerization. Journal of Applied Polymer Science, 2012, 123, 3668-3674.	2.6	4

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19	Polypropylene membrane surface modification by RAFT grafting polymerization and TiO2 photocatalysts immobilization for phenol decomposition in a photocatalytic membrane reactor. Separation and Purification Technology, 2011, 83, 157-165.	7.9	74
20	Manipulating membrane permeability and protein rejection of UV-modified polypropylene macroporous membrane. Journal of Membrane Science, 2010, 364, 203-210.	8.2	31
21	Prediction of Decomposition Temperature for Lanthanide Complexes Involving Cyclopentadienyl and Benzohydroxamic Acid Ligand by ANNs. Chinese Journal of Chemistry, 2010, 20, 996-999.	4.9	2
22	Surface modification of nano-SiO2 by grafting PMMA/PBA. Chinese Journal of Chemistry, 2010, 21, 1297-1299.	4.9	3
23	Fouling control in a submerged membraneâ€bioreactor by the membrane surface modification. Journal of Applied Polymer Science, 2010, 115, 2302-2309.	2.6	17
24	Development of a novel RAFT-UV grafting technique to modify polypropylene membrane used for NOM removal. Separation and Purification Technology, 2010, 71, 233-240.	7.9	24
25	Surface modification of polypropylene membrane to improve antifouling characteristics in a submerged membrane-bioreactor: Ar plasma treatment. Membrane Water Treatment, 2010, 1, 83-92.	0.5	16
26	Controlled Grafting of Poly(methyl methacrylate) Brushes on Poly(vinylidene fluoride) Powders by Surfaceâ€initiated Atom Transfer Radical Polymerization. Chinese Journal of Chemistry, 2009, 27, 419-422.	4.9	6
27	Antifouling characteristics of sugar immobilized polypropylene microporous membrane by activated sludge and bovine serum albumin. Separation and Purification Technology, 2009, 64, 332-336.	7.9	21
28	Thermo- and pH-responsive polypropylene microporous membrane prepared by the photoinduced RAFT-mediated graft copolymerization. Journal of Membrane Science, 2009, 343, 82-89.	8.2	58
29	Chain-length dependence of the antifouling characteristics of the glycopolymer-modified polypropylene membrane in an SMBR. Journal of Membrane Science, 2009, 326, 145-152.	8.2	49
30	Reducing protein fouling of a polypropylene microporous membrane by CO2 plasma surface modification. Desalination, 2009, 244, 80-89.	8.2	33
31	Mitigated membrane fouling in an SMBR by surface modification. Journal of Membrane Science, 2008, 310, 409-417.	8.2	64
32	Plasma surface modification of polypropylene microfiltration membranes and fouling by BSA dispersion. Chemical Engineering Journal, 2008, 145, 218-224.	12.7	75
33	Surface Modification of Poly(propylene) Microporous Membrane to Improve Its Antifouling Characteristics in an SMBR: O₂ Plasma Treatment. Plasma Processes and Polymers, 2008, 5, 84-91.	3.0	45
34	Surface modification of polypropylene microporous membrane to improve its antifouling characteristics in an SMBR: Air plasma treatment. Journal of Membrane Science, 2008, 311, 216-224.	8.2	103
35	Surface modification of polypropylene macroporous membrane to improve its antifouling characteristics in a submerged membrane-bioreactor: H2O plasma treatment. Water Research, 2008, 42, 4341-4347.	11.3	35
36	Preliminary Analysis of Strong-Motion Recordings from the Magnitude 8.0 Wenchuan, China, Earthquake of 12 May 2008. Seismological Research Letters, 2008, 79, 844-854.	1.9	68

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37	A FACILE APPROACH FOR THE SURFACE MODIFICATION OF POLY(VINYLIDENE FLUORIDE) MEMBRANE VIA SURFACE-INITIATED ATOM TRANSFER RADICAL POLYMERIZATION. Chinese Journal of Polymer Science (English Edition), 2008, 26, 105.	3.8	4
38	Surface modification of polypropylene microporous membrane to improve its antifouling characteristics in an SMBR: N2 plasma treatment. Water Research, 2007, 41, 4703-4709.	11.3	77
39	Photoinduced graft polymerization of acrylamide on polypropylene microporous membranes for the improvement of antifouling characteristics in a submerged membrane-bioreactor. Separation and Purification Technology, 2007, 53, 119-125.	7.9	85
40	Photoinduced graft polymerization to improve antifouling characteristics of an SMBR. Journal of Membrane Science, 2007, 302, 235-242.	8.2	27
41	Improvement of antifouling characteristics in a bioreactor of polypropylene microporous membrane by the adsorption of Tween 20. Journal of Environmental Sciences, 2007, 19, 1461-1465.	6.1	44
42	Flux enhancement for polypropylene microporous membrane in a SMBR by the immobilization of poly(N-vinyl-2-pyrrolidone) on the membrane surface. Journal of Membrane Science, 2006, 279, 148-155.	8.2	58
43	Improvement of the antifouling characteristics for polypropylene microporous membranes by the sequential photoinduced graft polymerization of acrylic acid. Journal of Membrane Science, 2006, 281, 658-665.	8.2	107
44	Enhancement of the flux for polypropylene hollow fiber membrane in a submerged membrane-bioreactor by surface modification. Journal of Environmental Sciences, 2006, 18, 1050-1055.	6.1	11
45	Surface modification of polypropylene microporous membranes to improve their antifouling property in MBR: NH plasma treatment. Separation and Purification Technology, 2005, 45, 8-15.	7.9	143
46	Surface modification of polypropylene microporous membrane to improve its antifouling property in MBR: CO plasma treatment. Journal of Membrane Science, 2005, 254, 219-227.	8.2	176
47	Improvement of Surface Properties of Poly(propylene) Hollow Fiber Microporous Membranes by Plasma-Induced Tethering of Sugar Moieties. Plasma Processes and Polymers, 2005, 2, 627-632.	3.0	20
48	Title is missing!. Chinese Journal of Polymer Science (English Edition), 2005, 23, 243.	3.8	1