Chunju He

List of Publications by Year in descending order

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65 papers	1,609 citations	279798 23 h-index	330143 37 g-index
65 all docs	65 docs citations	65 times ranked	2193 citing authors

#	Article	IF	Citations
1	Polypropylene Hollow-Fiber Membrane Made Using the Dissolution-Induced Pores Method. Membranes, 2022, 12, 384.	3.0	3
2	Heparin-mimicking semi-interpenetrating composite membrane with multiple excellent performances for promising hemodialysis. Journal of Membrane Science, 2021, 618, 118740.	8.2	21
3	Fabrication of a Dual-Action Membrane with Both Antibacterial and Anticoagulant Properties via Cationic Polyelectrolyte-Induced Phase Separation. ACS Applied Materials & Interfaces, 2021, 13, 14938-14950.	8.0	12
4	Recoverable underwater superhydrophobicity from a fully wetted state via dynamic air spreading. IScience, 2021, 24, 103427.	4.1	4
5	A zwitterionic polymer/PES membrane for enhanced antifouling performance and promoting hemocompatibility. Journal of Membrane Science, 2020, 606, 118119.	8.2	61
6	Photopolymerized biomimetic self-adhesive Polydimethylsiloxane-based amphiphilic cross-linked coating for anti-biofouling. Applied Surface Science, 2019, 463, 1097-1106.	6.1	31
7	Facile and fast fabrication of high structure-stable thin film nanocomposite membrane for potential application in solvent resistance nanofiltration. Applied Surface Science, 2019, 496, 143483.	6.1	15
8	Outstanding antifouling performance of poly(vinylidene fluoride) membranes: Novel amphiphilic brushlike copolymer blends and oneâ€step surface zwitterionization. Journal of Applied Polymer Science, 2019, 136, 47637.	2.6	3
9	Efficient removal of heavy metal ions by forward osmosis membrane with a polydopamine modified zeolitic imidazolate framework incorporated selective layer. Journal of Hazardous Materials, 2019, 367, 339-347.	12.4	135
10	A stable and hydrophilic substrate for thin-film composite forward osmosis membrane revealed by in-situ cross-linked polymerization. Desalination, 2018, 433, 1-9.	8.2	28
11	Low-fouling PES membranes fabricatedvia in situcopolymerization mediated surface zwitterionicalization. New Journal of Chemistry, 2018, 42, 2248-2259.	2.8	13
12	Fabrication of a loose nanofiltration candidate from Polyacrylonitrile/Graphene oxide hybrid membrane via thermally induced phase separation. Journal of Hazardous Materials, 2018, 360, 122-131.	12.4	64
13	Novel zwitterion-silver nanocomposite modified thin-film composite forward osmosis membrane with simultaneous improved water flux and biofouling resistance property. Applied Surface Science, 2018, 455, 492-501.	6.1	56
14	Novel Antiâ€Biofouling Soft Contact Lens: <scp>l</scp>â€Cysteine Conjugated Amphiphilic Conetworks via RAFT and Thiolâ€“Ene Click Chemistry. Macromolecular Bioscience, 2017, 17, 1600444.	4.1	11
15	High salt permeation nanofiltration membranes based on NMG-assisted polydopamine coating for dye/salt fractionation. Desalination, 2017, 413, 29-39.	8.2	50
16	Capsaicin-Inspired Thiolâ€“Ene Terpolymer Networks Designed for Antibiofouling Coatings. Langmuir, 2017, 33, 13689-13698.	3.5	26
17	Innovative permeation and antifouling properties of PVDF ultrafiltration membrane with stepped hollow SiO 2 microspheres in membrane matrix. Materials Letters, 2016, 182, 376-379.	2.6	15
18	Fabrication of cellulose membrane with â€œimprinted morphologyâ€•and low crystallinity from spherulitic [Bmim]Cl. Journal of Applied Polymer Science, 2016, 133, .	2.6	4

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19	Polyvinylpyrrolidoneâ€“polydimethylsiloxane amphiphilic coâ€networks: Synthesis, characterization, and permâ€selective behavior. Journal of Applied Polymer Science, 2016, 133, .	2.6	0
20	Durable antifouling polyvinylidene fluoride membrane via surface zwitterionicalization mediated by an amphiphilic copolymer. RSC Advances, 2016, 6, 114024-114036.	3.6	9
21	Enhanced antifouling ability of a poly(vinylidene fluoride) membrane functionalized with a zwitterionic serine-based layer. RSC Advances, 2016, 6, 85612-85620.	3.6	8
22	Antifouling polyethersulfone membrane blended with a dual-mode amphiphilic copolymer. Journal of Materials Science, 2016, 51, 7383-7394.	3.7	10
23	Enhanced antifouling performance of hybrid PVDF ultrafiltration membrane with the dual-mode SiO2-g-PDMS nanoparticles. Separation and Purification Technology, 2016, 166, 1-8.	7.9	22
24	Antifouling PVDF membrane grafted with zwitterionic poly(lysine methacrylamide) brushes. RSC Advances, 2016, 6, 61434-61442.	3.6	22
25	Dual-Mode Antifouling Ability of Thiolâ€“Ene Amphiphilic Conetworks: Minimally Adhesive Coatings via the Surface Zwitterionization. ACS Sustainable Chemistry and Engineering, 2016, 4, 3803-3811.	6.7	39
26	A clean synthesis approach to biocompatible amphiphilic conetworks via reversible additionâ€“fragmentation chain transfer polymerization and thiolâ€“ene chemistry. RSC Advances, 2016, 6, 17228-17238.	3.6	6
27	Constructing a novel zwitterionic surface of PVDF membrane through the assembled chitosan and sodium alginate. International Journal of Biological Macromolecules, 2016, 87, 443-448.	7.5	20
28	Investigation of one-dimensional multi-functional zwitterionic Ag nanowires as a novel modifier for PVDF ultrafiltration membranes. New Journal of Chemistry, 2016, 40, 441-446.	2.8	16
29	Amphiphilic Conetworks Based on End-Group Cross-Linking of Polydimethylsiloxane Pentablock Copolymer and Polymethylhydrosiloxane. , 2015, , .		1
30	Biocompatible amphiphilic conetwork based on crosslinked star copolymers: A potential drug carrier. Journal of Polymer Science Part A, 2015, 53, 2537-2545.	2.3	11
31	Preparation of chitosan fibers using aqueous ionic liquid as the solvent. Fibers and Polymers, 2015, 16, 2704-2708.	2.1	11
32	Preparation and characterization of nano-chitin whisker reinforced PVDF membrane with excellent antifouling property. Journal of Membrane Science, 2015, 480, 1-10.	8.2	57
33	Efficient Preparation of Super Antifouling PVDF Ultrafiltration Membrane with One Step Fabricated Zwitterionic Surface. ACS Applied Materials & Interfaces, 2015, 7, 17947-17953.	8.0	116
34	Preparation and characterization of superior antifouling PVDF membrane with extremely ordered and hydrophilic surface layer. Journal of Membrane Science, 2015, 494, 48-56.	8.2	59
35	Improved antifouling property of PVDF ultrafiltration membrane with plasma treated PVDF powder. RSC Advances, 2015, 5, 64526-64533.	3.6	21
36	Dual-mode antifouling ability of PVDF membrane with a surface-anchored amphiphilic polymer. RSC Advances, 2015, 5, 68998-69005.	3.6	11

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37	Zwitterionic SiO₂ nanoparticles as novel additives to improve the antifouling properties of PVDF membranes. RSC Advances, 2015, 5, 53653-53659.	3.6	27
38	Drawing dependent structures, mechanical properties and cyclization behaviors of polyacrylonitrile and polyacrylonitrile/carbon nanotube composite fibers prepared by plasticized spinning. Physical Chemistry Chemical Physics, 2015, 17, 21856-21865.	2.8	14
39	Tuning the antifouling property of PVDF ultrafiltration membrane with surface anchored polyelectrolyte complexes for sewage treatment. RSC Advances, 2015, 5, 63580-63587.	3.6	14
40	Antifouling PVDF membrane with hydrophilic surface of terry pile-like structure. Journal of Membrane Science, 2015, 493, 243-251.	8.2	66
41	The plasticized spinning and cyclization behaviors of functionalized carbon nanotube/polyacrylonitrile fibers. RSC Advances, 2015, 5, 52226-52234.	3.6	13
42	Enhanced separation and antifouling properties of PVDF ultrafiltration membranes with surface covalent self-assembly of polyethylene glycol. RSC Advances, 2015, 5, 81115-81122.	3.6	19
43	Evolution of the morphological and structural properties of plasticized spinning polyacrylonitrile fibers during the stabilization process. RSC Advances, 2015, 5, 81399-81406.	3.6	11
44	Structure and properties of chitin whisker reinforced chitosan membranes. International Journal of Biological Macromolecules, 2014, 64, 341-346.	7.5	71
45	Removal of water contaminants by nanoscale zero-valent iron immobilized in PAN-based oxidized membrane. Applied Surface Science, 2014, 321, 158-165.	6.1	35
46	The plasticization mechanism of polyacrylonitrile/1-butyl-3-methylimidazolium chloride system. Polymer, 2014, 55, 5773-5780.	3.8	16
47	Enhancing the antifouling property of poly(vinylidene fluoride)/SiO2 hybrid membrane through TIPS method. Journal of Materials Science, 2014, 49, 7797-7808.	3.7	35
48	â€œNear Perfectâ€•Amphiphilic Conetwork Based on End-Group Cross-Linking of Polydimethylsiloxane Triblock Copolymer via Atom Transfer Radical Polymerization. ACS Applied Materials & Interfaces, 2014, 6, 15283-15290.	8.0	29
49	Bioinspired design and chitin whisker reinforced chitosan membrane. Materials Letters, 2014, 120, 82-85.	2.6	27
50	High tenacity regenerated chitosan fibers prepared by using the binary ionic liquid solvent (GlyÂ·HCl)-[Bmim]Cl. Carbohydrate Polymers, 2013, 97, 300-305.	10.2	32
51	Preparation of Cellulose Hollow Fiber Membrane from Bamboo Pulp/1-Butyl-3-Methylimidazolium Chloride/Dimethylsulfoxide System. Industrial & Engineering Chemistry Research, 2013, 52, 9417-9421.	3.7	25
52	A comparative study on the chitosan membranes prepared from glycine hydrochloride and acetic acid. Carbohydrate Polymers, 2013, 91, 477-482.	10.2	32
53	Fabrication of multilayer films from regenerated cellulose and graphene oxide through layer-by-layer assembly. Progress in Natural Science: Materials International, 2012, 22, 341-346.	4.4	38
54	New binary ionic liquid system for the preparation of chitosan/cellulose composite fibers. Carbohydrate Polymers, 2012, 88, 347-351.	10.2	45

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55	Effects of solvent sort, PES and PVP concentration on the properties and morphology of PVDF/PES blend hollow fiber membranes. Journal of Applied Polymer Science, 2010, 116, 1566-1573.	2.6	8
56	Structure and properties of PANâ€based activated carbon hollow fibers: Effect of ammonium dibasic phosphate pretreatment. Journal of Applied Polymer Science, 2010, 116, 2023-2028.	2.6	2
57	The preparation and properties of cellulose/chitin blend filaments. Journal of Applied Polymer Science, 2009, 113, 2777-2784.	2.6	11
58	The spinning, structure, and properties of cellulose/chitin blend filaments through HWM method. Polymers for Advanced Technologies, 2009, 21, n/a-n/a.	3.2	3
59	Rheological properties of cellulose/chitin xanthate blend solutions and properties of the prepared fibers. Journal of Applied Polymer Science, 2008, 110, 1208-1215.	2.6	1
60	Effects of oxidation time on the structure and properties of polyacrylonitrile-based activated carbon hollow fiber. Journal of Applied Polymer Science, 2007, 106, 470-474.	2.6	16
61	Influence of Plasma Treatment on the Electroless Deposition of Copper on Carbon Fibers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 1853-1865.	2.2	9
62	Effects of ammonium dibasic phosphate pretreatment time on the structure and properties of PAN-based activated carbon hollow fibers. Journal of Applied Polymer Science, 2006, 102, 2448-2453.	2.6	0
63	Properties of cellulose/PAN blend membrane. Journal of Applied Polymer Science, 2002, 83, 3105-3111.	2.6	6
64	Studies on the properties of cotton lintersâ€š membrane. Polymers for Advanced Technologies, 1999, 10, 438-441.	3.2	2
65	Rheological properties of cellulose solution in paraformaldehyde/dimethyl sulfoxide system (1). Polymers for Advanced Technologies, 1999, 10, 487-492.	3.2	11