

# Wei-Feng Zhao

## List of Publications by Citations

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161  
papers

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39  
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168  
ext. papers

5,702  
ext. citations

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avg, IF

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#	Paper	IF	Citations
161	The hydrodynamic permeability and surface property of polyethersulfone ultrafiltration membranes with mussel-inspired polydopamine coatings. <i>Journal of Membrane Science</i> , <b>2012</b> , 417-418, 228-236	9.6	223
160	Biocompatibility of modified polyethersulfone membranes by blending an amphiphilic triblock co-polymer of poly(vinyl pyrrolidone)-b-poly(methyl methacrylate)-b-poly(vinyl pyrrolidone). <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 3370-81	10.8	168
159	Modification of polyethersulfone membrane by grafting bovine serum albumin on the surface of polyethersulfone/poly(acrylonitrile-co-acrylic acid) blended membrane. <i>Journal of Membrane Science</i> , <b>2009</b> , 329, 46-55	9.6	140
158	General and biomimetic approach to biopolymer-functionalized graphene oxide nanosheet through adhesive dopamine. <i>Biomacromolecules</i> , <b>2012</b> , 13, 4236-46	6.9	127
157	Modification of polyethersulfone hemodialysis membrane by blending citric acid grafted polyurethane and its anticoagulant activity. <i>Journal of Membrane Science</i> , <b>2012</b> , 405-406, 261-274	9.6	118
156	Modification of polyethersulfone membrane by blending semi-interpenetrating network polymeric nanoparticles. <i>Journal of Membrane Science</i> , <b>2011</b> , 369, 258-266	9.6	114
155	In Situ Synthesis of Magnetic Field-Responsive Hemicellulose Hydrogels for Drug Delivery. <i>Biomacromolecules</i> , <b>2015</b> , 16, 2522-8	6.9	112
154	Post-crosslinking towards stimuli-responsive sodium alginate beads for the removal of dye and heavy metals. <i>Carbohydrate Polymers</i> , <b>2015</b> , 133, 587-95	10.3	101
153	Nonchemotherapeutic and Robust Dual-Responsive Nanoagents with On-Demand Bacterial Trapping, Ablation, and Release for Efficient Wound Disinfection. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705708	15.6	92
152	Metal-Organic-Framework-Derived 2D Carbon Nanosheets for Localized Multiple Bacterial Eradication and Augmented Anti-infective Therapy. <i>Nano Letters</i> , <b>2019</b> , 19, 5885-5896	11.5	90
151	Tannic acid-inspired and post-crosslinking of zwitterionic polymer as a universal approach towards antifouling surface. <i>Chemical Engineering Journal</i> , <b>2018</b> , 337, 122-132	14.7	84
150	Design of Antibacterial Poly(ether sulfone) Membranes via Covalently Attaching Hydrogel Thin Layers Loaded with Ag Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15962-15974	9.5	77
149	Facile and Green Approach towards Electrically Conductive Hemicellulose Hydrogels with Tunable Conductivity and Swelling Behavior. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 4265-4273	9.6	73
148	Size-Transformable Metal-Organic Framework-Derived Nanocarbons for Localized Chemo-Photothermal Bacterial Ablation and Wound Disinfection. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900143	15.6	70
147	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 1803-1915	7.8	70
146	A robust pathway to electrically conductive hemicellulose hydrogels with high and controllable swelling behavior. <i>Polymer</i> , <b>2014</b> , 55, 2967-2976	3.9	66
145	Covalent deposition of zwitterionic polymer and citric acid by click chemistry-enabled layer-by-layer assembly for improving the blood compatibility of polysulfone membrane. <i>Langmuir</i> , <b>2014</b> , 30, 5115-25	4	66

144	Co-deposition towards mussel-inspired antifouling and antibacterial membranes by using zwitterionic polymers and silver nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 7186-7193	7.3	65
143	Zwitterionic polymer functionalization of polysulfone membrane with improved antifouling property and blood compatibility by combination of ATRP and click chemistry. <i>Acta Biomaterialia</i> , <b>2016</b> , 40, 162-171	10.8	64
142	Substrate-Independent Ag-Nanoparticle-Loaded Hydrogel Coating with Regenerable Bactericidal and Thermoresponsive Antibacterial Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44782-44791	9.5	63
141	Remarkable pH-sensitivity and anti-fouling property of terpolymer blended polyethersulfone hollow fiber membranes. <i>Journal of Membrane Science</i> , <b>2011</b> , 378, 369-381	9.6	60
140	Metal-Organic Framework/Ag-Based Hybrid Nanoagents for Rapid and Synergistic Bacterial Eradication. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13698-13708	9.5	59
139	Engineering sodium alginate-based cross-linked beads with high removal ability of toxic metal ions and cationic dyes. <i>Carbohydrate Polymers</i> , <b>2018</b> , 187, 85-93	10.3	57
138	Functionalized polyethersulfone nanofibrous membranes with ultra-high adsorption capacity for organic dyes by one-step electrospinning. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 533, 526-538	9.3	54
137	Heparin-based and heparin-inspired hydrogels: size-effect, gelation and biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 1186-1208	7.3	52
136	Host-Guest Self-Assembly Toward Reversible Thermoresponsive Switching for Bacteria Killing and Detachment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23523-32	9.5	49
135	Nanofibrous membranes with surface migration of functional groups for ultrafast wastewater remediation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13359-13372	13	49
134	Integrating zwitterionic polymer and Ag nanoparticles on polymeric membrane surface to prepare antifouling and bactericidal surface via Schiff-based layer-by-layer assembly. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 510, 308-317	9.3	48
133	Mussel-inspired chitosan-polyurethane coatings for improving the antifouling and antibacterial properties of polyethersulfone membranes. <i>Carbohydrate Polymers</i> , <b>2017</b> , 168, 310-319	10.3	47
132	Ionic-Strength Responsive Zwitterionic Copolymer Hydrogels with Tunable Swelling and Adsorption Behaviors. <i>Langmuir</i> , <b>2019</b> , 35, 1146-1155	4	47
131	Blood activation and compatibility on single-molecular-layer biointerfaces. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 4911-4921	7.3	47
130	Improved Antifouling Property of Polyethersulfone Hollow Fiber Membranes Using Additive of Poly(ethylene glycol) Methyl Ether-b-Poly(styrene) Copolymers. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 3295-3303	3.9	46
129	Codeposition of Polydopamine and Zwitterionic Polymer on Membrane Surface with Enhanced Stability and Antibiofouling Property. <i>Langmuir</i> , <b>2019</b> , 35, 1430-1439	4	44
128	Blood compatibility of polyethersulfone membrane by blending a sulfated derivative of chitosan. <i>Carbohydrate Polymers</i> , <b>2013</b> , 95, 64-71	10.3	44
127	Recent progresses in graphene based bio-functional nanostructures for advanced biological and cellular interfaces. <i>Nano Today</i> , <b>2019</b> , 26, 57-97	17.9	43

126	Preparation and characterization of sulfonated polyethersulfone membranes by a facile approach. <i>European Polymer Journal</i> , <b>2013</b> , 49, 738-751	5.2	43
125	A recyclable and regenerable magnetic chitosan absorbent for dye uptake. <i>Carbohydrate Polymers</i> , <b>2016</b> , 150, 201-8	10.3	40
124	Design of Carrageenan-Based Heparin-Mimetic Gel Beads as Self-Anticoagulant Hemoperfusion Adsorbents. <i>Biomacromolecules</i> , <b>2018</b> , 19, 1966-1978	6.9	39
123	In situ cross-linking of stimuli-responsive hemicellulose microgels during spray drying. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 4202-15	9.5	39
122	A facile approach towards amino-coated polyethersulfone particles for the removal of toxins. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 485, 39-50	9.3	37
121	Reinforced-Concrete Structured Hydrogel Microspheres with Ultrahigh Mechanical Strength, Restricted Water Uptake, and Superior Adsorption Capacity. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5950-5958	8.3	36
120	A bioinspired strategy towards super-adsorbent hydrogel spheres via self-sacrificing micro-reactors for robust wastewater remediation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21386-21403	13	34
119	Tazarotene Released from Aligned Electrospun Membrane Facilitates Cutaneous Wound Healing by Promoting Angiogenesis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36141-36153	9.5	33
118	A facile approach toward multi-functional polyurethane/polyethersulfone composite membranes for versatile applications. <i>Materials Science and Engineering C</i> , <b>2016</b> , 59, 556-564	8.3	33
117	A versatile approach towards multi-functional surfaces via covalently attaching hydrogel thin layers. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 484, 60-69	9.3	32
116	Heparin-Like Chitosan Hydrogels with Tunable Swelling Behavior, Prolonged Clotting Times, and Prevented Contact Activation and Complement Activation. <i>Biomacromolecules</i> , <b>2016</b> , 17, 4011-4020	6.9	31
115	Metal-Phenolic Networks Nanoplatfom to Mimic Antioxidant Defense System for Broad-Spectrum Radical Eliminating and Endotoxemia Treatment. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002234	15.6	31
114	Engineering of Tannic Acid Inspired Antifouling and Antibacterial Membranes through Co-deposition of Zwitterionic Polymers and Ag Nanoparticles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 11689-11697	3.9	30
113	Engineering polyethersulfone hollow fiber membrane with improved blood compatibility and antibacterial property. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 441-453	2.4	30
112	Graphene oxide-based polymeric membranes for broad water pollutant removal. <i>RSC Advances</i> , <b>2015</b> , 5, 100651-100662	3.7	30
111	Multifunctional negatively-charged poly (ether sulfone) nanofibrous membrane for water remediation. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 538, 648-659	9.3	28
110	Smart Asymmetric Hydrogel with Integrated Multi-Functions of NIR-Triggered Tunable Adhesion, Self-Deformation, and Bacterial Eradication. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100784	10.1	27
109	A substrate-independent ultrathin hydrogel film as an antifouling and antibacterial layer for a microfiltration membrane anchored via a layer-by-layer thiol-ene click reaction. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 3904-3913	7.3	27

108	Ligand Diffusion Enables Force-Independent Cell Adhesion via Activating $\beta 1$ Integrin and Initiating Rac and RhoA Signaling. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002566	24	26
107	Modification of polyethersulfone membranes using terpolymers engineered and integrated antifouling and anticoagulant properties. <i>Polymers for Advanced Technologies</i> , <b>2013</b> , 24, 1040-1050	3.2	26
106	Dual-functional polyethersulfone composite nanofibrous membranes with synergistic adsorption and photocatalytic degradation for organic dyes. <i>Composites Science and Technology</i> , <b>2020</b> , 199, 108353	8.6	26
105	Highly hemo-compatible, mechanically strong, and conductive dual cross-linked polymer hydrogels. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 8016-8024	7.3	26
104	Biocompatible graphene-based nanoagent with NIR and magnetism dual-responses for effective bacterial killing and removal. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 173, 266-275	6	26
103	Positively-charged polyethersulfone nanofibrous membranes for bacteria and anionic dyes removal. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 556, 492-502	9.3	25
102	Hexanediamine functionalized poly (glycidyl methacrylate-co-N-vinylpyrrolidone) particles for bilirubin removal. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 504, 214-222	9.3	25
101	Bidirectionally pH-Responsive Zwitterionic Polymer Hydrogels with Switchable Selective Adsorption Capacities for Anionic and Cationic Dyes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 8209-8219	3.9	25
100	Design of anion species/strength responsive membranes via in-situ cross-linked copolymerization of ionic liquids. <i>Journal of Membrane Science</i> , <b>2017</b> , 535, 158-167	9.6	24
99	Functional polyethersulfone particles for the removal of bilirubin. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2016</b> , 27, 28	4.5	24
98	Super-Anticoagulant Heparin-Mimicking Hydrogel Thin Film Attached Substrate Surfaces to Improve Hemocompatibility. <i>Macromolecular Bioscience</i> , <b>2017</b> , 17, 1600281	5.5	24
97	A chitosan modified asymmetric small-diameter vascular graft with anti-thrombotic and anti-bacterial functions for vascular tissue engineering. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 568-577	7.3	24
96	Reinforcement of Polycaprolactone/Chitosan with Nanoclay and Controlled Release of Curcumin for Wound Dressing. <i>ACS Omega</i> , <b>2019</b> , 4, 22292-22301	3.9	24
95	A Hierarchical Janus Nanofibrous Membrane Combining Direct Osteogenesis and Osteoimmunomodulatory Functions for Advanced Bone Regeneration. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008906	15.6	24
94	Multi-functional polyethersulfone nanofibrous membranes with ultra-high adsorption capacity and ultra-fast removal rates for dyes and bacteria. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 78, 131-143	9.1	23
93	Engineering of hemocompatible and antifouling polyethersulfone membranes by blending with heparin-mimicking microgels. <i>Biomaterials Science</i> , <b>2017</b> , 5, 1112-1121	7.4	22
92	Multi-responsive, tough and reversible hydrogels with tunable swelling property. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 322, 499-507	12.8	22
91	A green approach towards functional hydrogel particles from synthetic polymers via spherical capsule mini-reactors. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 1360-1371	14.7	22

90	A self-cleaning zwitterionic nanofibrous membrane for highly efficient oil-in-water separation. <i>Science of the Total Environment</i> , <b>2020</b> , 729, 138876	10.2	21
89	Inflammation-responsive self-regulated drug release from ultrathin hydrogel coating. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 158, 518-526	6	21
88	Surface engineering of low-fouling and hemocompatible polyethersulfone membranes via in-situ ring-opening reaction. <i>Journal of Membrane Science</i> , <b>2019</b> , 581, 373-382	9.6	20
87	Controllable ligand spacing stimulates cellular mechanotransduction and promotes stem cell osteogenic differentiation on soft hydrogels. <i>Biomaterials</i> , <b>2021</b> , 268, 120543	15.6	20
86	Bilayered Antimicrobial Nanofiber Membranes for Wound Dressings via in Situ Cross-Linking Polymerization and Electrospinning. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 17048-17057	7.9	20
85	A mussel-inspired approach towards heparin-immobilized cellulose gel beads for selective removal of low density lipoprotein from whole blood. <i>Carbohydrate Polymers</i> , <b>2018</b> , 202, 116-124	10.3	19
84	Surface modification of polyethersulfone membrane by grafting bovine serum albumin. <i>Fibers and Polymers</i> , <b>2010</b> , 11, 960-966	2	18
83	One-step electrospinning of negatively-charged polyethersulfone nanofibrous membranes for selective removal of cationic dyes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 82, 179-188	5.3	18
82	Self-Anticoagulant Nanocomposite Spheres for the Removal of Bilirubin from Whole Blood: A Step toward a Wearable Artificial Liver. <i>Biomacromolecules</i> , <b>2020</b> , 21, 1762-1775	6.9	17
81	Preparation, characterization and application of poly(sodium p-styrenesulfonate)/poly(methyl methacrylate) particles. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 34, 415-421	6.3	17
80	Facile synthesis of a triptycene-based porous organic polymer with a high efficiency and recyclable adsorption for organic dyes. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47987	2.9	16
79	Biocompatible In Situ Polymerization of Multipurpose Polyacrylamide-Based Hydrogels on Skin via Silver Ion Catalyzation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31079-31089	9.5	16
78	Anion-Responsive Poly(ionic liquid)s Gating Membranes with Tunable Hydrodynamic Permeability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32237-32247	9.5	16
77	In vitro and in vivo anticoagulant activity of heparin-like biomacromolecules and the mechanism analysis for heparin-mimicking activity. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 784-792	7.9	16
76	Photo-responsive membrane surface: Switching from bactericidal to bacteria-resistant property. <i>Materials Science and Engineering C</i> , <b>2018</b> , 84, 52-59	8.3	16
75	Rationally designed magnetic nanoparticles as anticoagulants for blood purification. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 164, 316-323	6	15
74	A self-defensive bilayer hydrogel coating with bacteria triggered switching from cell adhesion to antibacterial adhesion. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 5344-5353	4.9	15
73	Hierarchically multi-functionalized graded membrane with enhanced bone regeneration and self-defensive antibacterial characteristics for guided bone regeneration. <i>Chemical Engineering Journal</i> , <b>2020</b> , 398, 125542	14.7	15



72	A template-hatched method towards poly(acrylic acid) hydrogel spheres with ultrahigh ion exchange capacity and robust adsorption of environmental toxins. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 69, 422-431	6.3	15
71	Accelerated Bone Regeneration by MOF Modified Multifunctional Membranes through Enhancement of Osteogenic and Angiogenic Performance. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001369	10.1	15
70	Functionalized polyurethane sponge based on dopamine derivative for facile and instantaneous clean-up of cationic dyes in a large scale. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123203	12.8	14
69	Design of poly ionic liquids modified cotton fabric with ion species-triggered bidirectional oil-water separation performance. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123163	12.8	14
68	Engineering antimicrobial and biocompatible electrospun PLGA fibrous membranes by irradiation grafting polyvinylpyrrolidone and periodate. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 181, 918-926	6	14
67	Immobilization of heparin-mimetic biomacromolecules on FeO nanoparticles as magnetic anticoagulant via mussel-inspired coating. <i>Materials Science and Engineering C</i> , <b>2020</b> , 109, 110516	8.3	14
66	Facile fabrication of gelatin and polycaprolactone based bilayered membranes via spin coating method with antibacterial and cyto-compatible properties. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 124, 699-707	7.9	13
65	Design of carboxymethyl chitosan-based heparin-mimicking cross-linked beads for safe and efficient blood purification. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 117, 392-400	7.9	13
64	Core@shell poly (acrylic acid) microgels/polyethersulfone beads for dye uptake from wastewater. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 1732-1743	6.8	12
63	Ionic strength- and thermo-responsive polyethersulfone composite membranes with enhanced antifouling properties. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 5323-5333	3.6	12
62	Protein-grafted carboxylic poly(ether sulfone) membranes: Preparation and characterization. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 126, 1277-1290	2.9	12
61	Precipitated droplets in-situ cross-linking polymerization towards hydrogel beads for ultrahigh removal of positively charged toxins. <i>Separation and Purification Technology</i> , <b>2020</b> , 238, 116497	8.3	12
60	Design of Robust Thermal and Anion Dual-Responsive Membranes with Switchable Response Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36443-36455	9.5	12
59	Anticoagulant chitosan-kappa-carrageenan composite hydrogel sorbent for simultaneous endotoxin and bacteria cleansing in septic blood. <i>Carbohydrate Polymers</i> , <b>2020</b> , 243, 116470	10.3	11
58	Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 4355-4381	4.9	11
57	Construction of Kevlar nanofiber/graphene oxide composite beads as safe, self-anticoagulant, and highly efficient hemoperfusion adsorbents. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 1960-1970	7.3	11
56	Synthesis and Characterization of Ultrahigh Ion-Exchange Capacity Polymeric Membranes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 9667-9675	3.9	11
55	A new approach for membrane modification based on electrochemically mediated living polymerization and self-assembly of N-tert-butyl amide- and Cyclodextrin-involved macromolecules for blood purification. <i>Materials Science and Engineering C</i> , <b>2019</b> , 95, 122-133	8.3	11

54	Multifunctionalized polyethersulfone membranes with networked submicrogels to improve antifouling property, antibacterial adhesion and blood compatibility. <i>Materials Science and Engineering C</i> , <b>2019</b> , 96, 402-411	8.3	11
53	Vapor induced phase separation towards anion-/near-infrared-responsive pore channels for switchable anti-fouling membranes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 8934-8948	13	11
52	Mussel-inspired ultra-stretchable, universally sticky, and highly conductive nanocomposite hydrogels. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 2221-2232	7.3	11
51	Heparin-mimetic polyurethane hydrogels with anticoagulant, tunable mechanical property and controllable drug releasing behavior. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 1-11	7.9	10
50	Safe and Effective Removal of Urea by Urease-Immobilized, Carboxyl-Functionalized PES Beads with Good Reusability and Storage Stability. <i>ACS Omega</i> , <b>2019</b> , 4, 2853-2862	3.9	10
49	Redox-responsive polymeric membranes via supermolecular host-guest interactions. <i>Journal of Membrane Science</i> , <b>2015</b> , 480, 139-152	9.6	10
48	Fabrication of Functional Polycatechol Nanoparticles.. <i>ACS Macro Letters</i> , <b>2022</b> , 11, 251-256	6.6	10
47	Layer-by-Layer Assembly for Surface Tethering of Thin-Hydrogel Films: Design Strategies and Applications. <i>Chemical Record</i> , <b>2020</b> , 20, 857-881	6.6	10
46	Transient blood thinning during extracorporeal blood purification via the inactivation of coagulation factors by hydrogel microspheres. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 1143-1156	19	10
45	General Method for Synthesizing Transition-Metal Phosphide/N-Doped Carbon Nanomaterials for Hydrogen Evolution. <i>Langmuir</i> , <b>2019</b> , 35, 9161-9168	4	9
44	A facile and high-efficiency strategy towards instantaneous clean-up of positively-charged microcontaminants by regenerative carboxylated sponge. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124301	11.7	9
43	Thermoresponsive Antibacterial Surfaces Switching from Bacterial Adhesion to Bacterial Repulsion. <i>Macromolecular Materials and Engineering</i> , <b>2018</b> , 303, 1700590	3.9	9
42	Graphene oxide-based polyethersulfone core-shell particles for dye uptake. <i>RSC Advances</i> , <b>2016</b> , 6, 102389-102397	9.7	9
41	Preparation and Characterization of pH-Sensitive Polyethersulfone Membranes Blended with Poly(methyl methacrylate-co-maleic anhydride) Copolymer. <i>Separation Science and Technology</i> , <b>2013</b> , 48, 1941-1953	2.5	9
40	Circulating Histones in Sepsis: Potential Outcome Predictors and Therapeutic Targets. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 650184	8.4	9
39	Urease-Immobilized Magnetic Graphene Oxide as a Safe and Effective Urea Removal Recyclable Nanocatalyst for Blood Purification. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 8955-8964	3.9	9
38	Hemocompatible magnetic particles with broad-spectrum bacteria capture capability for blood purification. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 576, 1-9	9.3	8
37	Facile Fabrication of Mussel-Inspired Multifunctional Polymeric Membranes with Remarkable Anticoagulant, Antifouling, and Antibacterial Properties. <i>Macromolecular Materials and Engineering</i> , <b>2018</b> , 303, 1700378	3.9	8



36	Intelligent antibacterial surface based on ionic liquid molecular brushes for bacterial killing and release. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 5520-5527	7.3	8
35	Nonadherent Zwitterionic Composite Nanofibrous Membrane with a Halloysite Nanocarrier for Sustained Wound Anti-Infection and Cutaneous Regeneration. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 621-633	5.5	8
34	Biomimetic phosphorylcholine strategy to improve the hemocompatibility of pH-responsive micelles containing tertiary amino groups. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 184, 110545	6	8
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18	Chondroitin-analogue decorated magnetic nanoparticles via a click reaction for selective adsorption of low-density lipoprotein. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 2540-2550	4.9	3
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15	Improved Cooling Performance of Hydrogel Wound Dressings via Integrating Thermal Conductivity and Heat Storage Capacity for Burn Therapy.. <i>Biomacromolecules</i> , <b>2022</b> ,	6.9	3
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7	Facile and green approach towards biomass-derived hydrogel powders with hierarchical micro-nanostructures for ultrafast hemostasis. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 6678-6690	7.3	1
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