

Wei-Feng Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

161
papers

4,623
citations

39
h-index

59
g-index

168
ext. papers

5,702
ext. citations

8
avg, IF

5.97
L-index

#	Paper	IF	Citations
161	Fabrication of Functional Polycatechol Nanoparticles.. <i>ACS Macro Letters</i> , 2022 , 11, 251-256	6.6	10
160	Improved Cooling Performance of Hydrogel Wound Dressings via Integrating Thermal Conductivity and Heat Storage Capacity for Burn Therapy.. <i>Biomacromolecules</i> , 2022 ,	6.9	3
159	Superhydrophilic and polyporous nanofibrous membrane with excellent photocatalytic activity and recyclability for wastewater remediation under visible light irradiation. <i>Chemical Engineering Journal</i> , 2022 , 427, 131685	14.7	6
158	Immune-stealth carboxymethyl chitosan-based nanomaterials for magnetic resonance imaging-guided photothermal therapy.. <i>Carbohydrate Polymers</i> , 2022 , 288, 119382	10.3	0
157	Highly efficient removal of organic pollutants by composite nanofibrous membrane based on the synergistic effect of adsorption and photocatalysis. <i>Journal of Materials Science and Technology</i> , 2022 , 124, 76-85	9.1	3
156	A rapid-triggered approach towards antibacterial hydrogel wound dressing with synergic photothermal and sterilization profiles 2022 , 138, 212873		1
155	Advances in the Development of Biomaterials for Endotoxin Adsorption in Sepsis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 699418	5.8	0
154	Hemocompatibility enhancement of polyethersulfone membranes: Strategies and challenges 2021 , 1, 100013		0
153	Long-term, synergistic and high-efficient antibacterial polyacrylonitrile nanofibrous membrane prepared by "one-pot" electrospinning process. <i>Journal of Colloid and Interface Science</i> , 2021 , 609, 718-718	9.3	1
152	Circulating Histones in Sepsis: Potential Outcome Predictors and Therapeutic Targets. <i>Frontiers in Immunology</i> , 2021 , 12, 650184	8.4	9
151	Smart Asymmetric Hydrogel with Integrated Multi-Functions of NIR-Triggered Tunable Adhesion, Self-Deformation, and Bacterial Eradication. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100784	10.1	27
150	Controllable ligand spacing stimulates cellular mechanotransduction and promotes stem cell osteogenic differentiation on soft hydrogels. <i>Biomaterials</i> , 2021 , 268, 120543	15.6	20
149	A Hierarchical Janus Nanofibrous Membrane Combining Direct Osteogenesis and Osteoimmunomodulatory Functions for Advanced Bone Regeneration. <i>Advanced Functional Materials</i> , 2021 , 31, 2008906	15.6	24
148	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> , 2021 , 78, 131-143	9.1	23
147	Ultra-transparent slippery surface. <i>Smart Materials in Medicine</i> , 2021 , 2, 38-45	12.9	5
146	Selective potassium uptake via biocompatible zeolite-polymer hybrid microbeads as promising binders for hyperkalemia. <i>Bioactive Materials</i> , 2021 , 6, 543-558	16.7	2
145	Advanced Surfaces by Anchoring Thin Hydrogel Layers of Functional Polymers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021 , 39, 14-34	3.5	4

144	Transient blood thinning during extracorporeal blood purification via the inactivation of coagulation factors by hydrogel microspheres. <i>Nature Biomedical Engineering</i> , 2021 , 5, 1143-1156	19	10
143	Facile and green approach towards biomass-derived hydrogel powders with hierarchical micro-nanostructures for ultrafast hemostasis. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 6678-6690	7.3	1
142	Constructing porous channels in superhydrophilic polyethersulfone composite nanofibrous membranes for sustainably enhanced photocatalytic activities in wastewater remediation. <i>Composites Science and Technology</i> , 2021 , 214, 108993	8.6	5
141	A polyethersulfone composite ultrafiltration membrane with the in-situ generation of CdS nanoparticles for the effective removal of organic pollutants and photocatalytic self-cleaning. <i>Journal of Membrane Science</i> , 2021 , 638, 119715	9.6	6
140	Mussel-inspired ultra-stretchable, universally sticky, and highly conductive nanocomposite hydrogels. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 2221-2232	7.3	11
139	Accelerated Bone Regeneration by MOF Modified Multifunctional Membranes through Enhancement of Osteogenic and Angiogenic Performance. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001369	10.1	15
138	Anticoagulant chitosan-kappa-carrageenan composite hydrogel sorbent for simultaneous endotoxin and bacteria cleansing in septic blood. <i>Carbohydrate Polymers</i> , 2020 , 243, 116470	10.3	11
137	Hemocompatible magnetic particles with broad-spectrum bacteria capture capability for blood purification. <i>Journal of Colloid and Interface Science</i> , 2020 , 576, 1-9	9.3	8
136	Ligand Diffusion Enables Force-Independent Cell Adhesion via Activating $\beta 1$ Integrin and Initiating Rac and RhoA Signaling. <i>Advanced Materials</i> , 2020 , 32, e2002566	24	26
135	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> , 2020 , 400, 123203	12.8	14
134	Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. <i>Polymer Chemistry</i> , 2020 , 11, 4355-4381	4.9	11
133	Biocompatible In Situ Polymerization of Multipurpose Polyacrylamide-Based Hydrogels on Skin via Silver Ion Catalyzation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31079-31089	9.5	16
132	Clearance of methylene blue by CdS enhanced composite hydrogel materials. <i>Environmental Technology (United Kingdom)</i> , 2020 , 1-12	2.6	3
131	Design of poly ionic liquids modified cotton fabric with ion species-triggered bidirectional oil-water separation performance. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123163	12.8	14
130	Green Fabrication of Tannic Acid-Inspired Magnetic Composite Nanoparticles toward Cationic Dye Capture and Selective Degradation. <i>ACS Omega</i> , 2020 , 5, 6566-6575	3.9	5
129	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1803-1915	7.8	70
128	Metal-Organic Framework/Ag-Based Hybrid Nanoagents for Rapid and Synergistic Bacterial Eradication. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13698-13708	9.5	59
127	Amides and Heparin-Like Polymer Co-Functionalized Graphene Oxide Based Core @ Polyethersulfone Based Shell Beads for Bilirubin Adsorption. <i>Macromolecular Bioscience</i> , 2020 , 20, e2000153	5.5	4

126	Self-Anticoagulant Nanocomposite Spheres for the Removal of Bilirubin from Whole Blood: A Step toward a Wearable Artificial Liver. <i>Biomacromolecules</i> , 2020 , 21, 1762-1775	6.9	17
125	Construction of Kevlar nanofiber/graphene oxide composite beads as safe, self-anticoagulant, and highly efficient hemoperfusion adsorbents. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1960-1970	7.3	11
124	A facile and high-efficiency strategy towards instantaneous clean-up of positively-charged microcontaminants by regenerative carboxylated sponge. <i>Chemical Engineering Journal</i> , 2020 , 388, 124301	11.7	9
123	A self-cleaning zwitterionic nanofibrous membrane for highly efficient oil-in-water separation. <i>Science of the Total Environment</i> , 2020 , 729, 138876	10.2	21
122	Hierarchically multi-functionalized graded membrane with enhanced bone regeneration and self-defensive antibacterial characteristics for guided bone regeneration. <i>Chemical Engineering Journal</i> , 2020 , 398, 125542	14.7	15
121	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> , 2020 , 8, 568-577	7.3	24
120	Precipitated droplets in-situ cross-linking polymerization towards hydrogel beads for ultrahigh removal of positively charged toxins. <i>Separation and Purification Technology</i> , 2020 , 238, 116497	8.3	12
119	Nonadherent Zwitterionic Composite Nanofibrous Membrane with a Halloysite Nanocarrier for Sustained Wound Anti-Infection and Cutaneous Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 621-633	5.5	8
118	Rationally designed magnetic poly(catechol-hexanediamine) particles for bacteria removal and on-demand biofilm eradication. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 186, 110728	6	5
117	Immobilization of heparin-mimetic biomacromolecules on FeO nanoparticles as magnetic anticoagulant via mussel-inspired coating. <i>Materials Science and Engineering C</i> , 2020 , 109, 110516	8.3	14
116	Urease immobilized GO core@shell heparin-mimicking polymer beads with safe and effective urea removal for blood purification. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 1503-1511	7.9	4
115	Precipitated droplets in-situ cross-linking polymerization and its applications. <i>Polymer Testing</i> , 2020 , 91, 106756	4.5	1
114	Dual-functional polyethersulfone composite nanofibrous membranes with synergistic adsorption and photocatalytic degradation for organic dyes. <i>Composites Science and Technology</i> , 2020 , 199, 108353	8.6	26
113	Fabrication of Hemocompatible Polyethersulfone Derivatives by One-Step Radiation-Induced Homogeneous Polymerization. <i>Materials Today Communications</i> , 2020 , 25, 101548	2.5	3
112	Fast and environmental-friendly approach towards uniform hydrogel particles with ultrahigh and selective removal of anionic dyes. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104352	6.8	6
111	Metal-Phenolic Networks Nanoplatfrom to Mimic Antioxidant Defense System for Broad-Spectrum Radical Eliminating and Endotoxemia Treatment. <i>Advanced Functional Materials</i> , 2020 , 30, 2002234	15.6	31
110	Layer-by-Layer Assembly for Surface Tethering of Thin-Hydrogel Films: Design Strategies and Applications. <i>Chemical Record</i> , 2020 , 20, 857-881	6.6	10
109	Urease-Immobilized Magnetic Graphene Oxide as a Safe and Effective Urea Removal Recyclable Nanocatalyst for Blood Purification. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 8955-8964	3.9	9

108	Vapor induced phase separation towards anion-/near-infrared-responsive pore channels for switchable anti-fouling membranes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8934-8948	13	11
107	A bioinspired strategy towards super-adsorbent hydrogel spheres via self-sacrificing micro-reactors for robust wastewater remediation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21386-21403	13	34
106	Tazarotene Released from Aligned Electrospun Membrane Facilitates Cutaneous Wound Healing by Promoting Angiogenesis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36141-36153	9.5	33
105	Heparin-based and heparin-inspired hydrogels: size-effect, gelation and biomedical applications. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1186-1208	7.3	52
104	Size-Transformable Metal-Organic Framework-Derived Nanocarbons for Localized Chemo-Photothermal Bacterial Ablation and Wound Disinfection. <i>Advanced Functional Materials</i> , 2019 , 29, 1900143	15.6	70
103	Engineering of Tannic Acid Inspired Antifouling and Antibacterial Membranes through Co-deposition of Zwitterionic Polymers and Ag Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 11689-11697	3.9	30
102	Three-Dimensional Graphene Oxide Skeleton Guided Poly(acrylic Acid) Composite Hydrogel Particles with Hierarchical Pore Structure for Hemoperfusion. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 3987-4001	5.5	7
101	General Method for Synthesizing Transition-Metal Phosphide/N-Doped Carbon Nanomaterials for Hydrogen Evolution. <i>Langmuir</i> , 2019 , 35, 9161-9168	4	9
100	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> , 2019 , 136, 47987	2.9	16
99	Metal-Organic-Framework-Derived 2D Carbon Nanosheets for Localized Multiple Bacterial Eradication and Augmented Anti-infective Therapy. <i>Nano Letters</i> , 2019 , 19, 5885-5896	11.5	90
98	Chondroitin-analogue decorated magnetic nanoparticles via a click reaction for selective adsorption of low-density lipoprotein. <i>Polymer Chemistry</i> , 2019 , 10, 2540-2550	4.9	3
97	Surface engineering of low-fouling and hemocompatible polyethersulfone membranes via in-situ ring-opening reaction. <i>Journal of Membrane Science</i> , 2019 , 581, 373-382	9.6	20
96	Recent progresses in graphene based bio-functional nanostructures for advanced biological and cellular interfaces. <i>Nano Today</i> , 2019 , 26, 57-97	17.9	43
95	Safe and Effective Removal of Urea by Urease-Immobilized, Carboxyl-Functionalized PES Beads with Good Reusability and Storage Stability. <i>ACS Omega</i> , 2019 , 4, 2853-2862	3.9	10
94	Codeposition of Polydopamine and Zwitterionic Polymer on Membrane Surface with Enhanced Stability and Antibiofouling Property. <i>Langmuir</i> , 2019 , 35, 1430-1439	4	44
93	Ionic-Strength Responsive Zwitterionic Copolymer Hydrogels with Tunable Swelling and Adsorption Behaviors. <i>Langmuir</i> , 2019 , 35, 1146-1155	4	47
92	Functionalized polyethersulfone nanofibrous membranes with ultra-high adsorption capacity for organic dyes by one-step electrospinning. <i>Journal of Colloid and Interface Science</i> , 2019 , 533, 526-538	9.3	54
91	Intelligent antibacterial surface based on ionic liquid molecular brushes for bacterial killing and release. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5520-5527	7.3	8

90	Engineering antimicrobial and biocompatible electrospun PLGA fibrous membranes by irradiation grafting polyvinylpyrrolidone and periodate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 918-926	6	14
89	Positively-charged polyethersulfone nanofibrous membranes for bacteria and anionic dyes removal. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 492-502	9.3	25
88	Biomimetic phosphorylcholine strategy to improve the hemocompatibility of pH-responsive micelles containing tertiary amino groups. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 184, 110545	6	8
87	Reinforcement of Polycaprolactone/Chitosan with Nanoclay and Controlled Release of Curcumin for Wound Dressing. <i>ACS Omega</i> , 2019 , 4, 22292-22301	3.9	24
86	Multifunctional negatively-charged poly (ether sulfone) nanofibrous membrane for water remediation. <i>Journal of Colloid and Interface Science</i> , 2019 , 538, 648-659	9.3	28
85	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> , 2019 , 122, 784-792	7.9	16
84	A green approach towards functional hydrogel particles from synthetic polymers via spherical capsule mini-reactors. <i>Chemical Engineering Journal</i> , 2019 , 359, 1360-1371	14.7	22
83	A new approach for membrane modification based on electrochemically mediated living polymerization and self-assembly of N-tert-butyl amide- and β -cyclodextrin-involved macromolecules for blood purification. <i>Materials Science and Engineering C</i> , 2019 , 95, 122-133	8.3	11
82	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> , 2019 , 69, 422-431	6.3	15
81	Multifunctionalized polyethersulfone membranes with networked submicrogels to improve antifouling property, antibacterial adhesion and blood compatibility. <i>Materials Science and Engineering C</i> , 2019 , 96, 402-411	8.3	11
80	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> , 2019 , 124, 699-707	7.9	13
79	Biocompatible graphene-based nanoagent with NIR and magnetism dual-responses for effective bacterial killing and removal. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 266-275	6	26
78	Ionic strength- and thermo-responsive polyethersulfone composite membranes with enhanced antifouling properties. <i>New Journal of Chemistry</i> , 2018 , 42, 5323-5333	3.6	12
77	Thermoresponsive Antibacterial Surfaces Switching from Bacterial Adhesion to Bacterial Repulsion. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1700590	3.9	9
76	Reinforced-Concrete Structured Hydrogel Microspheres with Ultrahigh Mechanical Strength, Restricted Water Uptake, and Superior Adsorption Capacity. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5950-5958	8.3	36
75	Rationally designed magnetic nanoparticles as anticoagulants for blood purification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 164, 316-323	6	15
74	Engineering sodium alginate-based cross-linked beads with high removal ability of toxic metal ions and cationic dyes. <i>Carbohydrate Polymers</i> , 2018 , 187, 85-93	10.3	57
73	Facile Fabrication of Mussel-Inspired Multifunctional Polymeric Membranes with Remarkable Anticoagulant, Antifouling, and Antibacterial Properties. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1700378	3.9	8

72	Design of Carrageenan-Based Heparin-Mimetic Gel Beads as Self-Anticoagulant Hemoperfusion Adsorbents. <i>Biomacromolecules</i> , 2018 , 19, 1966-1978	6.9	39
71	Tannic acid-inspired and post-crosslinking of zwitterionic polymer as a universal approach towards antifouling surface. <i>Chemical Engineering Journal</i> , 2018 , 337, 122-132	14.7	84
70	Macromol. Mater. Eng. 3/2018. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1870011	3.9	
69	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> , 2018 , 510, 308-317	9.3	48
68	Nonchemotherapeutic and Robust Dual-Responsive Nanoagents with On-Demand Bacterial Trapping, Ablation, and Release for Efficient Wound Disinfection. <i>Advanced Functional Materials</i> , 2018 , 28, 1705708	15.6	92
67	Root-soil structure inspired hydrogel microspheres with high dimensional stability and anion-exchange capacity. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 680-688	9.3	7
66	Nanofibrous membranes with surface migration of functional groups for ultrafast wastewater remediation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13359-13372	13	49
65	Photo-responsive membrane surface: Switching from bactericidal to bacteria-resistant property. <i>Materials Science and Engineering C</i> , 2018 , 84, 52-59	8.3	16
64	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> , 2018 , 82, 179-188	5.3	18
63	Bilayered Antimicrobial Nanofiber Membranes for Wound Dressings via in Situ Cross-Linking Polymerization and Electrospinning. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 17048-17057	3.9	20
62	Design of Robust Thermal and Anion Dual-Responsive Membranes with Switchable Response Temperature. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36443-36455	9.5	12
61	A mussel-inspired approach towards heparin-immobilized cellulose gel beads for selective removal of low density lipoprotein from whole blood. <i>Carbohydrate Polymers</i> , 2018 , 202, 116-124	10.3	19
60	Design of carboxymethyl chitosan-based heparin-mimicking cross-linked beads for safe and efficient blood purification. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 392-400	7.9	13
59	Bidirectionally pH-Responsive Zwitterionic Polymer Hydrogels with Switchable Selective Adsorption Capacities for Anionic and Cationic Dyes. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 8209-8219	3.9	25
58	Antibacterial Nanoagents: Nonchemotherapeutic and Robust Dual-Responsive Nanoagents with On-Demand Bacterial Trapping, Ablation, and Release for Efficient Wound Disinfection (Adv. Funct. Mater. 21/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870145	15.6	3
57	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> , 2018 , 6, 3904-3913	7.3	27
56	Heparin-mimetic polyurethane hydrogels with anticoagulant, tunable mechanical property and controllable drug releasing behavior. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 1-11	7.9	10
55	One-pot synthesis of highly hemocompatible polyurethane/polyethersulfone composite membranes. <i>Polymer Bulletin</i> , 2017 , 74, 3797-3818	2.4	6

54	Engineering of hemocompatible and antifouling polyethersulfone membranes by blending with heparin-mimicking microgels. <i>Biomaterials Science</i> , 2017 , 5, 1112-1121	7.4	22
53	Design of Antibacterial Poly(ether sulfone) Membranes via Covalently Attaching Hydrogel Thin Layers Loaded with Ag Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15962-15974	9.5	77
52	Design of anion species/strength responsive membranes via in-situ cross-linked copolymerization of ionic liquids. <i>Journal of Membrane Science</i> , 2017 , 535, 158-167	9.6	24
51	Mussel-inspired chitosan-polyurethane coatings for improving the antifouling and antibacterial properties of polyethersulfone membranes. <i>Carbohydrate Polymers</i> , 2017 , 168, 310-319	10.3	47
50	Core@shell poly (acrylic acid) microgels/polyethersulfone beads for dye uptake from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 1732-1743	6.8	12
49	Substrate-Independent Ag-Nanoparticle-Loaded Hydrogel Coating with Regenerable Bactericidal and Thermoresponsive Antibacterial Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44782-44791	9.5	63
48	Anion-Responsive Poly(ionic liquid)s Gating Membranes with Tunable Hydrodynamic Permeability. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32237-32247	9.5	16
47	Inflammation-responsive self-regulated drug release from ultrathin hydrogel coating. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 158, 518-526	6	21
46	Hexanediamine functionalized poly (glycidyl methacrylate-co-N-vinylpyrrolidone) particles for bilirubin removal. <i>Journal of Colloid and Interface Science</i> , 2017 , 504, 214-222	9.3	25
45	A self-defensive bilayer hydrogel coating with bacteria triggered switching from cell adhesion to antibacterial adhesion. <i>Polymer Chemistry</i> , 2017 , 8, 5344-5353	4.9	15
44	Co-deposition towards mussel-inspired antifouling and antibacterial membranes by using zwitterionic polymers and silver nanoparticles. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 7186-7193	7.3	65
43	Multi-responsive, tough and reversible hydrogels with tunable swelling property. <i>Journal of Hazardous Materials</i> , 2017 , 322, 499-507	12.8	22
42	Super-Anticoagulant Heparin-Mimicking Hydrogel Thin Film Attached Substrate Surfaces to Improve Hemocompatibility. <i>Macromolecular Bioscience</i> , 2017 , 17, 1600281	5.5	24
41	A facile approach towards amino-coated polyethersulfone particles for the removal of toxins. <i>Journal of Colloid and Interface Science</i> , 2017 , 485, 39-50	9.3	37
40	Functional Polymers for Biointerface Engineering. <i>International Journal of Polymer Science</i> , 2017 , 2017, 1-2	2.4	
39	Host-Guest Self-Assembly Toward Reversible Thermoresponsive Switching for Bacteria Killing and Detachment. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23523-32	9.5	49
38	Synthesis and Characterization of Ultrahigh Ion-Exchange Capacity Polymeric Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 9667-9675	3.9	11
37	Heparin-Like Chitosan Hydrogels with Tunable Swelling Behavior, Prolonged Clotting Times, and Prevented Contact Activation and Complement Activation. <i>Biomacromolecules</i> , 2016 , 17, 4011-4020	6.9	31

36	Graphene oxide-based polyethersulfone core-shell particles for dye uptake. <i>RSC Advances</i> , 2016 , 6, 102389-102397	9.7	39
35	Engineering polyethersulfone hollow fiber membrane with improved blood compatibility and antibacterial property. <i>Colloid and Polymer Science</i> , 2016 , 294, 441-453	2.4	30
34	Preparation, characterization and application of poly(sodium p-styrenesulfonate)/poly(methyl methacrylate) particles. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 34, 415-421	6.3	17
33	Functional polyethersulfone particles for the removal of bilirubin. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 28	4.5	24
32	A facile approach toward multi-functional polyurethane/polyethersulfone composite membranes for versatile applications. <i>Materials Science and Engineering C</i> , 2016 , 59, 556-564	8.3	33
31	Highly hemo-compatible, mechanically strong, and conductive dual cross-linked polymer hydrogels. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 8016-8024	7.3	26
30	Zwitterionic polymer functionalization of polysulfone membrane with improved antifouling property and blood compatibility by combination of ATRP and click chemistry. <i>Acta Biomaterialia</i> , 2016 , 40, 162-171	10.8	64
29	A recyclable and regenerable magnetic chitosan absorbent for dye uptake. <i>Carbohydrate Polymers</i> , 2016 , 150, 201-8	10.3	40
28	A versatile approach towards multi-functional surfaces via covalently attaching hydrogel thin layers. <i>Journal of Colloid and Interface Science</i> , 2016 , 484, 60-69	9.3	32
27	In Situ Synthesis of Magnetic Field-Responsive Hemicellulose Hydrogels for Drug Delivery. <i>Biomacromolecules</i> , 2015 , 16, 2522-8	6.9	112
26	Redox-responsive polymeric membranes via supermolecular host-guest interactions. <i>Journal of Membrane Science</i> , 2015 , 480, 139-152	9.6	10
25	A facile approach toward multifunctional polyethersulfone membranes via in situ cross-linked copolymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015 , 26, 1013-34	3.5	4
24	Post-crosslinking towards stimuli-responsive sodium alginate beads for the removal of dye and heavy metals. <i>Carbohydrate Polymers</i> , 2015 , 133, 587-95	10.3	101
23	Graphene oxide-based polymeric membranes for broad water pollutant removal. <i>RSC Advances</i> , 2015 , 5, 100651-100662	3.7	30
22	In situ cross-linking of stimuli-responsive hemicellulose microgels during spray drying. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4202-15	9.5	39
21	Facile and Green Approach towards Electrically Conductive Hemicellulose Hydrogels with Tunable Conductivity and Swelling Behavior. <i>Chemistry of Materials</i> , 2014 , 26, 4265-4273	9.6	73
20	Blood activation and compatibility on single-molecular-layer biointerfaces. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4911-4921	7.3	47
19	A robust pathway to electrically conductive hemicellulose hydrogels with high and controllable swelling behavior. <i>Polymer</i> , 2014 , 55, 2967-2976	3.9	66

18	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> , 2014 , 30, 5115-25	4	66
17	Molecularly imprinted polyethersulfone membranes for the sieving, binding and recognition of bisphenol A. <i>Desalination and Water Treatment</i> , 2014 , 52, 5781-5789		5
16	Blood compatibility of polyethersulfone membrane by blending a sulfated derivative of chitosan. <i>Carbohydrate Polymers</i> , 2013 , 95, 64-71	10.3	44
15	Preparation and characterization of sulfonated polyethersulfone membranes by a facile approach. <i>European Polymer Journal</i> , 2013 , 49, 738-751	5.2	43
14	Preparation and Characterization of pH-Sensitive Polyethersulfone Membranes Blended with Poly(methyl methacrylate-co-maleic anhydride) Copolymer. <i>Separation Science and Technology</i> , 2013 , 48, 1941-1953	2.5	9
13	Modification of polyethersulfone membranes using terpolymers engineered and integrated antifouling and anticoagulant properties. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 1040-1050	3.2	26
12	Molecular Imprinted Polysulfone Membranes for the Sieving, Binding, and Recognition of Bisphenol A. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013 , 62, 17-22	3	3
11	Modification of polyethersulfone hemodialysis membrane by blending citric acid grafted polyurethane and its anticoagulant activity. <i>Journal of Membrane Science</i> , 2012 , 405-406, 261-274	9.6	118
10	General and biomimetic approach to biopolymer-functionalized graphene oxide nanosheet through adhesive dopamine. <i>Biomacromolecules</i> , 2012 , 13, 4236-46	6.9	127
9	The hydrodynamic permeability and surface property of polyethersulfone ultrafiltration membranes with mussel-inspired polydopamine coatings. <i>Journal of Membrane Science</i> , 2012 , 417-418, 228-236	9.6	223
8	Protein-grafted carboxylic poly(ether sulfone) membranes: Preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 1277-1290	2.9	12
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