Cheng-Sheng Zhao

List of Publications by Citations

286	10,511	55	87
papers	citations	h-index	g-index
295	12,187	7.6	6.6
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
286	Modification of polyethersulfone membranes □A review of methods. *Progress in Materials Science*, **2013**, 58, 76-150	42.2	591
285	Oxidant-induced dopamine polymerization for multifunctional coatings. *Polymer Chemistry*, **2010**, 1, 1430	4.9	548
284	Grafting of zwitterion from polysulfone membrane via surface-initiated ATRP with enhanced antifouling property and biocompatibility. *Journal of Membrane Science*, **2013**, 446, 79-91	9.6	235
283	The hydrodynamic permeability and surface property of polyethersulfone ultrafiltration membranes with mussel-inspired polydopamine coatings. *Journal of Membrane Science*, **2012**, 417-418, 228-236	9.6	223
282	Biopolymer functionalized reduced graphene oxide with enhanced biocompatibility via mussel inspired coatings/anchors. *Journal of Materials Chemistry B*, **2013**, 1, 265-275	7.3	213
281	Polymeric pH-sensitive membranes□A review. *Progress in Polymer Science*, **2011**, 36, 1499-1520	29.6	207
280	Biocompatibility of modified polyethersulfone membranes by blending an amphiphilic triblock co-polymer of poly(vinyl pyrrolidone)-b-poly(methyl methacrylate)-b-poly(vinyl pyrrolidone). *Acta Biomaterialia*, **2011**, 7, 3370-81	10.8	168
279	Toward 3D graphene oxide gels based adsorbents for high-efficient water treatment via the promotion of biopolymers. *Journal of Hazardous Materials*, **2013**, 263 Pt 2, 467-78	12.8	159
278	Mussel-inspired self-coating at macro-interface with improved biocompatibility and bioactivity via dopamine grafted heparin-like polymers and heparin. *Journal of Materials Chemistry B*, **2014**, 2, 363-375	7.3	149
277	Progress in heparin and heparin-like/mimicking polymer-functionalized biomedical membranes. *Journal of Materials Chemistry B*, **2014**, 2, 7649-7672	7.3	127
276	General and biomimetic approach to biopolymer-functionalized graphene oxide nanosheet through adhesive dopamine. *Biomacromolecules*, **2012**, 13, 4236-46	6.9	127
275	Modification of polyethersulfone hemodialysis membrane by blending citric acid grafted polyurethane and its anticoagulant activity. *Journal of Membrane Science*, **2012**, 405-406, 261-274	9.6	118
274	Novel heparin-mimicking polymer brush grafted carbon nanotube/PES composite membranes for safe and efficient blood purification. *Journal of Membrane Science*, **2015**, 475, 455-468	9.6	114
273	Modification of polyethersulfone membrane by blending semi-interpenetrating network polymeric nanoparticles. *Journal of Membrane Science*, **2011**, 369, 258-266	9.6	114
272	In Situ Synthesis of Magnetic Field-Responsive Hemicellulose Hydrogels for Drug Delivery. *Biomacromolecules*, **2015**, 16, 2522-8	6.9	112
271	One-Pot Synthesis of Hydrophilic Molecularly Imprinted Nanoparticles. *Macromolecules*, **2009**, 42, 8739-8746	5.5	109
270	Post-crosslinking towards stimuli-responsive sodium alginate beads for the removal of dye and heavy metals. *Carbohydrate Polymers*, **2015**, 133, 587-95	10.3	101

269	Polyethersulfone enwrapped graphene oxide porous particles for water treatment. *Chemical Engineering Journal*, **2013**, 215-216, 72-81	14.7	98
268	Preparation and characterization of poly(acrylonitrile-acrylic acid-N-vinyl pyrrolidinone) terpolymer blended polyethersulfone membranes. *Journal of Membrane Science*, **2010**, 349, 56-64	9.6	94
267	Nonchemotherapic and Robust Dual-Responsive Nanoagents with On-Demand Bacterial Trapping, Ablation, and Release for Efficient Wound Disinfection. *Advanced Functional Materials*, **2018**, 28, 1705708	15.6	92
266	Metal-Organic-Framework-Derived 2D Carbon Nanosheets for Localized Multiple Bacterial Eradication and Augmented Anti-infective Therapy. *Nano Letters*, **2019**, 19, 5885-5896	11.5	90
265	Fabrication of metronidazole loaded poly (Ε-caprolactone)/zein core/shell nanofiber membranes via coaxial electrospinning for guided tissue regeneration. *Journal of Colloid and Interface Science*, **2017**, 490, 270-278	9.3	88
264	Improved blood compatibility of polyethersulfone membrane with a hydrophilic and anionic surface. *Colloids and Surfaces B: Biointerfaces*, **2012**, 100, 116-25	6	86
263	Tannic acid-inspiration and post-crosslinking of zwitterionic polymer as a universal approach towards antifouling surface. *Chemical Engineering Journal*, **2018**, 337, 122-132	14.7	84
262	Heparin-like macromolecules for the modification of anticoagulant biomaterials. *Macromolecular Bioscience*, **2012**, 12, 116-25	5.5	83
261	High efficient protocol for the modification of polyethersulfone membranes with anticoagulant and antifouling properties via in situ cross-linked copolymerization. *Journal of Membrane Science*, **2014**, 468, 172-183	9.6	80
260	Design of Antibacterial Poly(ether sulfone) Membranes via Covalently Attaching Hydrogel Thin Layers Loaded with Ag Nanoparticles. *ACS Applied Materials & Interfaces*, **2017**, 9, 15962-15974	9.5	77
259	Preparation, characterization and application of functional polyethersulfone membranes blended with poly (acrylic acid) gels. *Journal of Membrane Science*, **2009**, 337, 266-273	9.6	76
258	Evaluation of polyethersulfone highflux hemodialysis membrane in vitro and in vivo. *Journal of Materials Science: Materials in Medicine*, **2008**, 19, 745-51	4.5	75
257	Biologically inspired membrane design with a heparin-like interface: prolonged blood coagulation, inhibited complement activation, and bio-artificial liver related cell proliferation. *Biomaterials Science*, **2014**, 2, 98-109	7.4	72
256	Bioinspired and biocompatible carbon nanotube-Ag nanohybrid coatings for robust antibacterial applications. *Acta Biomaterialia*, **2017**, 51, 479-494	10.8	71
255	Toward highly blood compatible hemodialysis membranes via blending with heparin-mimicking polyurethane: Study in vitro and in vivo. *Journal of Membrane Science*, **2014**, 470, 90-101	9.6	71
254	Preparation and characterization of functional carboxylic polyethersulfone membrane. *Journal of Membrane Science*, **2011**, 374, 93-101	9.6	71
253	Size-Transformable Metal□Organic Framework□Derived Nanocarbons for Localized Chemo-Photothermal Bacterial Ablation and Wound Disinfection. *Advanced Functional Materials*, **2019**, 29, 1900143	15.6	70
252	Substrate-Independent Robust and Heparin-Mimetic Hydrogel Thin Film Coating via Combined LbL Self-Assembly and Mussel-Inspired Post-Cross-linking. *ACS Applied Materials & Interfaces*, **2015**, 7, 26050-62	9.5	70

251	Advanced functional polymer materials. *Materials Chemistry Frontiers*, **2020**, 4, 1803-1915	7.8	70
250	Nanopatterned Adhesive, Stretchable Hydrogel to Control Ligand Spacing and Regulate Cell Spreading and Migration. *ACS Nano*, **2017**, 11, 8282-8291	16.7	70
249	Mussel-Inspired Synthesis of NIR-Responsive and Biocompatible Ag-Graphene 2D Nanoagents for Versatile Bacterial Disinfections. *ACS Applied Materials & Interfaces*, **2018**, 10, 296-307	9.5	70
248	Heparin-mimicking multilayer coating on polymeric membrane via LbL assembly of cyclodextrin-based supramolecules. *ACS Applied Materials & Interfaces*, **2014**, 6, 21603-14	9.5	68
247	Metal-Organic Precursor□Derived Mesoporous Carbon Spheres with Homogeneously Distributed Molybdenum Carbide/Nitride Nanoparticles for Efficient Hydrogen Evolution in Alkaline Media. *Advanced Functional Materials*, **2019**, 29, 1807419	15.6	68
246	Surface-engineered nanogel assemblies with integrated blood compatibility, cell proliferation and antibacterial property: towards multifunctional biomedical membranes. *Polymer Chemistry*, **2014**, 5, 5908-5919	4.8	67
245	Graphene oxide based heparin-mimicking and hemocompatible polymeric hydrogels for versatile biomedical applications. *Journal of Materials Chemistry B*, **2015**, 3, 592-602	7.3	67
244	Covalent deposition of zwitterionic polymer and citric acid by click chemistry-enabled layer-by-layer assembly for improving the blood compatibility of polysulfone membrane. *Langmuir*, **2014**, 30, 5115-25	4	66
243	Co-deposition towards mussel-inspired antifouling and antibacterial membranes by using zwitterionic polymers and silver nanoparticles. *Journal of Materials Chemistry B*, **2017**, 5, 7186-7193	7.3	65
242	Nanofibrous heparin and heparin-mimicking multilayers as highly effective endothelialization and antithrombogenic coatings. *Biomacromolecules*, **2015**, 16, 992-1001	6.9	64
241	Zwitterionic polymer functionalization of polysulfone membrane with improved antifouling property and blood compatibility by combination of ATRP and click chemistry. *Acta Biomaterialia*, **2016**, 40, 162-171	10.8	64
240	Substrate-Independent Ag-Nanoparticle-Loaded Hydrogel Coating with Regenerable Bactericidal and Thermoresponsive Antibacterial Properties. *ACS Applied Materials & Interfaces*, **2017**, 9, 44782-44791	9.5	63
239	Ionic-strength-sensitive polyethersulfone membrane with improved anti-fouling property modified by zwitterionic polymer via in situ cross-linked polymerization. *Journal of Membrane Science*, **2015**, 476, 234-242	9.6	62
238	Molecularly imprinted polyethersulfone microspheres for the binding and recognition of bisphenol A. *Analytica Chimica Acta*, **2005**, 546, 30-36	6.6	62
237	Heparin-like surface modification of polyethersulfone membrane and its biocompatibility. *Journal of Colloid and Interface Science*, **2012**, 386, 428-40	9.3	60
236	Metal-Organic Framework/Ag-Based Hybrid Nanoagents for Rapid and Synergistic Bacterial Eradication. *ACS Applied Materials & Interfaces*, **2020**, 12, 13698-13708	9.5	59
235	Heparin-mimicking polyethersulfone membranes□hemocompatibility, cytocompatibility, antifouling and antibacterial properties. *Journal of Membrane Science*, **2016**, 498, 135-146	9.6	58
234	Kevlar based nanofibrous particles as robust, effective and recyclable absorbents for water purification. *Journal of Hazardous Materials*, **2016**, 318, 255-265	12.8	58

233	Engineering sodium alginate-based cross-linked beads with high removal ability of toxic metal ions and cationic dyes. *Carbohydrate Polymers*, **2018**, 187, 85-93	10.3	57
232	Light-Triggered Switching of Reversible and Alterable Biofunctionality via -Cyclodextrin/Azobenzene-Based Host Guest Interaction. *ACS Macro Letters*, **2014**, 3, 1130-1133	6.6	56
231	Functionalized polyethersulfone nanofibrous membranes with ultra-high adsorption capacity for organic dyes by one-step electrospinning. *Journal of Colloid and Interface Science*, **2019**, 533, 526-538	9.3	54
230	Aramid nanofiber as an emerging nanofibrous modifier to enhance ultrafiltration and biological performances of polymeric membranes. *Journal of Membrane Science*, **2017**, 528, 251-263	9.6	52
229	Heparin-based and heparin-inspired hydrogels: size-effect, gelation and biomedical applications. *Journal of Materials Chemistry B*, **2019**, 7, 1186-1208	7.3	52
228	Core hell-structured MOF-derived 2D hierarchical nanocatalysts with enhanced Fenton-like activities. *Journal of Materials Chemistry A*, **2020**, 8, 3168-3179	13	52
227	Anticoagulant sodium alginate sulfates and their mussel-inspired heparin-mimetic coatings. *Journal of Materials Chemistry B*, **2016**, 4, 3203-3215	7.3	51
226	Blood compatibility comparison for polysulfone membranes modified by grafting block and random zwitterionic copolymers via surface-initiated ATRP. *Journal of Colloid and Interface Science*, **2014**, 432, 47-56	9.3	51
225	Layer by layer assembly of sulfonic poly(ether sulfone) as heparin-mimicking coatings: scalable fabrication of super-hemocompatible and antibacterial membranes. *Journal of Materials Chemistry B*, **2015**, 3, 1391-1404	7.3	50
224	Host-Guest Self-Assembly Toward Reversible Thermoresponsive Switching for Bacteria Killing and Detachment. *ACS Applied Materials & Interfaces*, **2016**, 8, 23523-32	9.5	49
223	Nanofibrous membranes with surface migration of functional groups for ultrafast wastewater remediation. *Journal of Materials Chemistry A*, **2018**, 6, 13359-13372	13	49
222	Self-assembled 3D biocompatible and bioactive layer at the macro-interface via graphene-based supermolecules. *Polymer Chemistry*, **2014**, 5, 3563	4.9	49
221	Integrating zwitterionic polymer and Ag nanoparticles on polymeric membrane surface to prepare antifouling and bactericidal surface via Schiff-based layer-by-layer assembly. *Journal of Colloid and Interface Science*, **2018**, 510, 308-317	9.3	48
220	Mussel-inspired chitosan-polyurethane coatings for improving the antifouling and antibacterial properties of polyethersulfone membranes. *Carbohydrate Polymers*, **2017**, 168, 310-319	10.3	47
219	Ionic-Strength Responsive Zwitterionic Copolymer Hydrogels with Tunable Swelling and Adsorption Behaviors. *Langmuir*, **2019**, 35, 1146-1155	4	47
218	Blood activation and compatibility on single-molecular-layer biointerfaces. *Journal of Materials Chemistry B*, **2014**, 2, 4911-4921	7.3	47
217	Catechol chemistry inspired approach to construct self-cross-linked polymer nanolayers as versatile biointerfaces. *Langmuir*, **2014**, 30, 14905-15	4	47
216	One-pot cross-linked copolymerization for the construction of robust antifouling and antibacterial composite membranes. *Journal of Materials Chemistry B*, **2015**, 3, 4170-4180	7.3	46

215	Zwitterionic glycosyl modified polyethersulfone membranes with enhanced anti-fouling property and blood compatibility. *Journal of Colloid and Interface Science*, **2015**, 443, 36-44	9.3	46
214	Hemocompatibility and ultrafiltration performance of surface-functionalized polyethersulfone membrane by blending comb-like amphiphilic block copolymer. *Journal of Membrane Science*, **2014**, 471, 319-327	9.6	46
213	BSA-modified polyethersulfone membrane: preparation, characterization and biocompatibility. *Journal of Biomaterials Science, Polymer Edition*, **2009**, 20, 377-97	3.5	46
212	Codeposition of Polydopamine and Zwitterionic Polymer on Membrane Surface with Enhanced Stability and Antibiofouling Property. *Langmuir*, **2019**, 35, 1430-1439	4	44
211	Blood compatibility of polyethersulfone membrane by blending a sulfated derivative of chitosan. *Carbohydrate Polymers*, **2013**, 95, 64-71	10.3	44
210	Recent progresses in graphene based bio-functional nanostructures for advanced biological and cellular interfaces. *Nano Today*, **2019**, 26, 57-97	17.9	43
209	Preparation and characterization of sulfonated polyethersulfone membranes by a facile approach. *European Polymer Journal*, **2013**, 49, 738-751	5.2	43
208	Preparation of DNA-loaded polysulfone microspheres by liquid-liquid phase separation and its functional utilization. *Journal of Colloid and Interface Science*, **2004**, 275, 470-6	9.3	43
207	Versatile and Rapid Postfunctionalization from Cyclodextrin Modified Host Polymeric Membrane Substrate. *Langmuir*, **2015**, 31, 9665-74	4	42
206	A recyclable and regenerable magnetic chitosan absorbent for dye uptake. *Carbohydrate Polymers*, **2016**, 150, 201-8	10.3	40
205	Design of Carrageenan-Based Heparin-Mimetic Gel Beads as Self-Anticoagulant Hemoperfusion Adsorbents. *Biomacromolecules*, **2018**, 19, 1966-1978	6.9	39
204	In situ cross-linking of stimuli-responsive hemicellulose microgels during spray drying. *ACS Applied Materials & Interfaces*, **2015**, 7, 4202-15	9.5	39
203	Graphene oxide interpenetrated polymeric composite hydrogels as highly effective adsorbents for water treatment. *RSC Advances*, **2014**, 4, 42346-42357	3.7	38
202	Graphene oxide and sulfonated polyanion co-doped hydrogel films for dual-layered membranes with superior hemocompatibility and antibacterial activity. *Biomaterials Science*, **2016**, 4, 1431-40	7.4	37
201	A facile approach towards amino-coated polyethersulfone particles for the removal of toxins. *Journal of Colloid and Interface Science*, **2017**, 485, 39-50	9.3	37
200	Reinforced-Concrete Structured Hydrogel Microspheres with Ultrahigh Mechanical Strength, Restricted Water Uptake, and Superior Adsorption Capacity. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5950-5958	8.3	36
199	Toward robust pH-responsive and anti-fouling composite membranes via one-pot in-situ cross-linked copolymerization. *Desalination*, **2014**, 349, 80-93	10.3	36
198	Toward safe, efficient and multifunctional 3D blood-contact adsorbents engineered by biopolymers/graphene oxide gels. *RSC Advances*, **2013**, 3, 22120	3.7	36

197	A bioinspired strategy towards super-adsorbent hydrogel spheres via self-sacrificing micro-reactors for robust wastewater remediation. *Journal of Materials Chemistry A*, **2019**, 7, 21386-21403	13	34
196	Mussel-inspired coatings on Ag nanoparticle-conjugated carbon nanotubes: bactericidal activity and mammal cell toxicity. *Journal of Materials Chemistry B*, **2016**, 4, 2749-2756	7.3	34
195	A facile approach toward multi-functional polyurethane/polyethersulfone composite membranes for versatile applications. *Materials Science and Engineering C*, **2016**, 59, 556-564	8.3	33
194	Toward a highly hemocompatible membrane for blood purification via a physical blend of miscible comb-like amphiphilic copolymers. *Biomaterials Science*, **2014**, 2, 538-547	7.4	33
193	Nanofibrous polymeric beads from aramid fibers for efficient bilirubin removal. *Biomaterials Science*, **2016**, 4, 1392-401	7.4	33
192	Bioinspired Spiky Peroxidase-Mimics for Localized Bacterial Capture and Synergistic Catalytic Sterilization. *Advanced Materials*, **2021**, 33, e2005477	24	33
191	Ag-nanogel blended polymeric membranes with antifouling, hemocompatible and bactericidal capabilities. *Journal of Materials Chemistry B*, **2015**, 3, 9295-9304	7.3	32
190	A versatile approach towards multi-functional surfaces via covalently attaching hydrogel thin layers. *Journal of Colloid and Interface Science*, **2016**, 484, 60-69	9.3	32
189	Mussel-inspired post-heparinization of a stretchable hollow hydrogel tube and its potential application as an artificial blood vessel. *Polymer Chemistry*, **2017**, 8, 2266-2275	4.9	31
188	Heparin-Like Chitosan Hydrogels with Tunable Swelling Behavior, Prolonged Clotting Times, and Prevented Contact Activation and Complement Activation. *Biomacromolecules*, **2016**, 17, 4011-4020	6.9	31
187	Antibacterial and anti-biofouling coating on hydroxyapatite surface based on peptide-modified tannic acid. *Colloids and Surfaces B: Biointerfaces*, **2017**, 160, 136-143	6	31
186	Metal-Phenolic Networks Nanoplatform to Mimic Antioxidant Defense System for Broad-Spectrum Radical Eliminating and Endotoxemia Treatment. *Advanced Functional Materials*, **2020**, 30, 2002234	15.6	31
185	Mussel-Inspired Antibacterial and Biocompatible Silver-Carbon Nanotube Composites: Green and Universal Nanointerfacial Functionalization. *Langmuir*, **2016**, 32, 5955-65	4	31
184	Engineering of Tannic Acid Inspired Antifouling and Antibacterial Membranes through Co-deposition of Zwitterionic Polymers and Ag Nanoparticles. *Industrial & Engineering Chemistry Research*, **2019**, 58, 11689-11697	3.9	30
183	Improved antifouling and antimicrobial efficiency of ultrafiltration membranes with functional carbon nanotubes. *RSC Advances*, **2016**, 6, 88265-88276	3.7	30
182	Engineering polyethersulfone hollow fiber membrane with improved blood compatibility and antibacterial property. *Colloid and Polymer Science*, **2016**, 294, 441-453	2.4	30
181	Graphene oxide-based polymeric membranes for broad water pollutant removal. *RSC Advances*, **2015**, 5, 100651-100662	3.7	30
180	From commodity polymers to functional polymers. *Scientific Reports*, **2014**, 4, 4604	4.9	29

179	Interfacial Self-Assembly of Heparin-Mimetic Multilayer on Membrane Substrate as Effective Antithrombotic, Endothelialization, and Antibacterial Coating. *ACS Biomaterials Science and Engineering*, **2015**, 1, 1183-1193	5.5	28
178	Antibiofouling Zwitterionic Gradational Membranes with Moisture Retention Capability and Sustained Antimicrobial Property for Chronic Wound Infection and Skin Regeneration. *Biomacromolecules*, **2019**, 20, 3057-3069	6.9	28
177	Modification of a polyethersulfone matrix by grafting functional groups and the research of biomedical performance. *Journal of Biomaterials Science, Polymer Edition*, **2010**, 21, 1559-72	3.5	28
176	Poly(ether sulfone)/activated carbon hybrid beads for creatinine adsorption. *Journal of Applied Polymer Science*, **2007**, 103, 1085-1092	2.9	28
175	Multifunctional negatively-charged poly (ether sulfone) nanofibrous membrane for water remediation. *Journal of Colloid and Interface Science*, **2019**, 538, 648-659	9.3	28
174	Smart Asymmetric Hydrogel with Integrated Multi-Functions of NIR-Triggered Tunable Adhesion, Self-Deformation, and Bacterial Eradication. *Advanced Healthcare Materials*, **2021**, 10, e2100784	10.1	27
173	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. *Journal of Materials Chemistry B*, **2018**, 6, 3904-3913	7.3	27
172	Ligand Diffusion Enables Force-Independent Cell Adhesion via Activating 51 Integrin and Initiating Rac and RhoA Signaling. *Advanced Materials*, **2020**, 32, e2002566	24	26
171	Modification of polyethersulfone membranes using terpolymers engineered and integrated antifouling and anticoagulant properties. *Polymers for Advanced Technologies*, **2013**, 24, 1040-1050	3.2	26
170	Dual-functional polyethersulfone composite nanofibrous membranes with synergistic adsorption and photocatalytic degradation for organic dyes. *Composites Science and Technology*, **2020**, 199, 108353	8.6	26
169	Highly hemo-compatible, mechanically strong, and conductive dual cross-linked polymer hydrogels. *Journal of Materials Chemistry B*, **2016**, 4, 8016-8024	7.3	26
168	Biocompatible graphene-based nanoagent with NIR and magnetism dual-responses for effective bacterial killing and removal. *Colloids and Surfaces B: Biointerfaces*, **2019**, 173, 266-275	6	26
167	A facile way to prepare anti-fouling and blood-compatible polyethersulfone membrane via blending with heparin-mimicking polyurethanes. *Materials Science and Engineering C*, **2017**, 78, 1035-1045	8.3	25
166	Positively-charged polyethersulfone nanofibrous membranes for bacteria and anionic dyes removal. *Journal of Colloid and Interface Science*, **2019**, 556, 492-502	9.3	25
165	Hexanediamine functionalized poly (glycidyl methacrylate-co-N-vinylpyrrolidone) particles for bilirubin removal. *Journal of Colloid and Interface Science*, **2017**, 504, 214-222	9.3	25
164	Bidirectionally pH-Responsive Zwitterionic Polymer Hydrogels with Switchable Selective Adsorption Capacities for Anionic and Cationic Dyes. *Industrial & Engineering Chemistry Research*, **2018**, 57, 8209-8219	3.9	25
163	Design of anion species/strength responsive membranes via in-situ cross-linked copolymerization of ionic liquids. *Journal of Membrane Science*, **2017**, 535, 158-167	9.6	24
162	Robust, highly elastic and bioactive heparin-mimetic hydrogels. *Polymer Chemistry*, **2015**, 6, 7893-7901	4.9	24

161	Graphene oxide linked sulfonate-based polyanionic nanogels as biocompatible, robust and versatile modifiers of ultrafiltration membranes. *Journal of Materials Chemistry B*, **2016**, 4, 6143-6153	7.3	24
160	Functional polyethersulfone particles for the removal of bilirubin. *Journal of Materials Science: Materials in Medicine*, **2016**, 27, 28	4.5	24
159	Bio-inspired peptide decorated dendrimers for a robust antibacterial coating on hydroxyapatite. *Polymer Chemistry*, **2017**, 8, 4264-4279	4.9	24
158	Super-Anticoagulant Heparin-Mimicking Hydrogel Thin Film Attached Substrate Surfaces to Improve Hemocompatibility. *Macromolecular Bioscience*, **2017**, 17, 1600281	5.5	24
157	Preparation and characterization of pH- and thermo-sensitive polyethersulfone hollow fiber membranes modified with P(NIPAAm-MAA-MMA) terpolymer. *Desalination*, **2013**, 309, 1-10	10.3	24
156	A chitosan modified asymmetric small-diameter vascular graft with anti-thrombotic and anti-bacterial functions for vascular tissue engineering. *Journal of Materials Chemistry B*, **2020**, 8, 568-577	7.3	24
155	A Hierarchical Janus Nanofibrous Membrane Combining Direct Osteogenesis and Osteoimmunomodulatory Functions for Advanced Bone Regeneration. *Advanced Functional Materials*, **2021**, 31, 2008906	15.6	24
154	Direct catechol conjugation of mussel-inspired biomacromolecule coatings to polymeric membranes with antifouling properties, anticoagulant activity and cytocompatibility. *Journal of Materials Chemistry B*, **2017**, 5, 3035-3046	7.3	23
153	Multi-functional polyethersulfone nanofibrous membranes with ultra-high adsorption capacity and ultra-fast removal rates for dyes and bacteria. *Journal of Materials Science and Technology*, **2021**, 78, 131-143	9.1	23
152	Engineering of hemocompatible and antifouling polyethersulfone membranes by blending with heparin-mimicking microgels. *Biomaterials Science*, **2017**, 5, 1112-1121	7.4	22
151	Multi-responsive, tough and reversible hydrogels with tunable swelling property. *Journal of Hazardous Materials*, **2017**, 322, 499-507	12.8	22
150	Poly(Acrylic Acid-co-Acrylonitrile) Copolymer Modified Polyethersulfone Hollow Fiber Membrane with pH-Sensitivity. *Separation Science and Technology*, **2010**, 45, 2017-2027	2.5	22
149	A green approach towards functional hydrogel particles from synthetic polymers via spherical capsule mini-reactors. *Chemical Engineering Journal*, **2019**, 359, 1360-1371	14.7	22
148	One-step phosphorylated poly(amide-amine) dendrimer loaded with apigenin for simultaneous remineralization and antibacterial of dentine. *Colloids and Surfaces B: Biointerfaces*, **2018**, 172, 760-768	6	22
147	Introducing multiple bio-functional groups on the poly(ether sulfone) membrane substrate to fabricate an effective antithrombotic bio-interface. *Biomaterials Science*, **2017**, 5, 2416-2426	7.4	21
146	A self-cleaning zwitterionic nanofibrous membrane for highly efficient oil-in-water separation. *Science of the Total Environment*, **2020**, 729, 138876	10.2	21
145	Bioinspired heptapeptides as functionalized mineralization inducers with enhanced hydroxyapatite affinity. *Journal of Materials Chemistry B*, **2018**, 6, 1984-1994	7.3	21
144	Switching biological functionalities of biointerfaces via dynamic covalent bonds. *Journal of Materials Chemistry B*, **2016**, 4, 694-703	7.3	21

143	Inflammation-responsive self-regulated drug release from ultrathin hydrogel coating. *Colloids and Surfaces B: Biointerfaces*, **2017**, 158, 518-526	6	21
142	Surface engineering of low-fouling and hemocompatible polyethersulfone membranes via in-situ ring-opening reaction. *Journal of Membrane Science*, **2019**, 581, 373-382	9.6	20
141	In Situ Cross-Linked Polymerization toward Poly(ether sulfone)/Poly(sodium acrylate) Hybrid Particles for the Removal of Environmental Toxins. *Industrial & Engineering Chemistry Research*, **2014**, 53, 14084-14093	3.9	20
140	A simple method to prepare modified polyethersulfone membrane with improved hydrophilic surface by one-pot: The effect of hydrophobic segment length and molecular weight of copolymers. *Materials Science and Engineering C*, **2014**, 37, 68-75	8.3	20
139	Controllable ligand spacing stimulates cellular mechanotransduction and promotes stem cell osteogenic differentiation on soft hydrogels. *Biomaterials*, **2021**, 268, 120543	15.6	20
138	Preparation of DNA-encapsulated polyethersulfone hollow microspheres for organic compounds and heavy metal ions removal. *Desalination*, **2005**, 175, 297-304	10.3	19
137	Hedgehog artificial macrophage with atomic-catalytic centers to combat Drug-resistant bacteria. *Nature Communications*, **2021**, 12, 6143	17.4	19
136	A mussel-inspired approach towards heparin-immobilized cellulose gel beads for selective removal of low density lipoprotein from whole blood. *Carbohydrate Polymers*, **2018**, 202, 116-124	10.3	19
135	Insights into the surface property and blood compatibility of polyethersulfone/polyvinylpyrrolidone composite membranes: toward high-performance hemodialyzer. *Polymers for Advanced Technologies*, **2014**, 25, 851-860	3.2	18
134	Surface modification of polyethersulfone membrane by grafting bovine serum albumin. *Fibers and Polymers*, **2010**, 11, 960-966	2	18
133	Effect of the template molecules and nonsolvent additives on the recognition property of molecular imprinted polyethersulfone particles. *Journal of Applied Polymer Science*, **2008**, 108, 3859-3866	2.9	18
132	A facile approach towards amino-coated ferroferric oxide nanoparticles for environmental pollutant removal. *Journal of Colloid and Interface Science*, **2018**, 513, 647-657	9.3	18
131	One-step electrospinning of negatively-charged polyethersulfone nanofibrous membranes for selective removal of cationic dyes. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 82, 179-188	5.3	18
130	Self-Anticoagulant Nanocomposite Spheres for the Removal of Bilirubin from Whole Blood: A Step toward a Wearable Artificial Liver. *Biomacromolecules*, **2020**, 21, 1762-1775	6.9	17
129	Preparation, characterization and application of poly(sodium p-styrenesulfonate)/poly(methyl methacrylate) particles. *Journal of Industrial and Engineering Chemistry*, **2016**, 34, 415-421	6.3	17
128	Construction of microgels embedded robust ultrafiltration membranes for highly effective bioadhesion resistance. *Colloids and Surfaces B: Biointerfaces*, **2016**, 139, 199-210	6	17
127	Surface modification of poly(ether sulfone) membrane with a synthesized negatively charged copolymer. *Langmuir*, **2014**, 30, 13622-30	4	17
126	Facile chemical modification of polysulfone membrane with improved hydrophilicity and blood compatibility. *Materials Letters*, **2014**, 137, 192-195	3.3	17

125	Poly(ether sulfone) membranes with photo-responsive permeability. *Journal of Membrane Science*, **2014**, 455, 357-367	9.6	17
124	Comparison of surface segregation and anticoagulant property in block copolymer blended evaporation and phase inversion membranes. *Surface and Interface Analysis*, **2012**, 44, 819-824	1.5	17
123	Molecularly imprinted polyethersulfone microfibers for the binding and recognition of bisphenol A. *Journal of Applied Polymer Science*, **2009**, 114, 4036-4041	2.9	17
122	DNA-loaded porous polyethersulfone particles for environmental applications I. preparation. *Journal of Applied Polymer Science*, **2005**, 98, 1668-1673	2.9	17
121	Biocompatible In Situ Polymerization of Multipurpose Polyacrylamide-Based Hydrogels on Skin via Silver Ion Catalyzation. *ACS Applied Materials & Interfaces*, **2020**, 12, 31079-31089	9.5	16
120	A robust way to prepare blood-compatible and anti-fouling polyethersulfone membrane. *Colloids and Surfaces B: Biointerfaces*, **2016**, 146, 326-33	6	16
119	Anion-Responsive Poly(ionic liquid)s Gating Membranes with Tunable Hydrodynamic Permeability. *ACS Applied Materials & Interfaces*, **2017**, 9, 32237-32247	9.5	16
118	Polysulfone-Activated Carbon Hybrid Particles for the Removal of BPA. *Separation Science and Technology*, **2006**, 41, 515-529	2.5	16
117	Dynamic Covalent Bond-Assisted Anchor of PEG Brushes on Cationic Surfaces with Antibacterial and Antithrombotic Dual Capabilities. *Advanced Materials Interfaces*, **2016**, 3, 1500473	4.6	16
116	In vitro and in vivo anticoagulant activity of heparin-like biomacromolecules and the mechanism analysis for heparin-mimicking activity. *International Journal of Biological Macromolecules*, **2019**, 122, 784-792	7.9	16
115	Photo-responsive membrane surface: Switching from bactericidal to bacteria-resistant property. *Materials Science and Engineering C*, **2018**, 84, 52-59	8.3	16
114	Rationally designed magnetic nanoparticles as anticoagulants for blood purification. *Colloids and Surfaces B: Biointerfaces*, **2018**, 164, 316-323	6	15
113	A self-defensive bilayer hydrogel coating with bacteria triggered switching from cell adhesion to antibacterial adhesion. *Polymer Chemistry*, **2017**, 8, 5344-5353	4.9	15
112	Molecularly Imprinted Electrospinning Polyethersulfone Nano-Scale Fibers for the Binding and Recognition of Bisphenol A. *Separation Science and Technology*, **2011**, 46, 1615-1620	2.5	15
111	A template-hatched method towards poly(acrylic acid) hydrogel spheres with ultrahigh ion exchange capacity and robust adsorption of environmental toxins. *Journal of Industrial and Engineering Chemistry*, **2019**, 69, 422-431	6.3	15
110	Hexapeptide-conjugated calcitonin for targeted therapy of osteoporosis. *Journal of Controlled Release*, **2019**, 304, 39-50	11.7	14
109	Functionalized polyurethane sponge based on dopamine derivative for facile and instantaneous clean-up of cationic dyes in a large scale. *Journal of Hazardous Materials*, **2020**, 400, 123203	12.8	14
108	Design of poly ionic liquids modified cotton fabric with ion species-triggered bidirectional oil-water separation performance. *Journal of Hazardous Materials*, **2020**, 400, 123163	12.8	14

107	Highly swellable and biocompatible graphene/heparin-analogue hydrogels for implantable drug and protein delivery. *RSC Advances*, **2016**, 6, 71893-71904	3.7	14
106	Engineering antimicrobial and biocompatible electrospun PLGA fibrous membranes by irradiation grafting polyvinylpyrrolidone and periodate. *Colloids and Surfaces B: Biointerfaces*, **2019**, 181, 918-926	6	14
105	Electrosprayed porous microspheres for the removal of endocrine disruptors. *Journal of Applied Polymer Science*, **2011**, 120, 2648-2653	2.9	14
104	Preparation and characterization of sandwich-structure polyethersulfone membrane with pH sensitivity. *Desalination and Water Treatment*, **2009**, 8, 163-170		14
103	Immobilization of heparin-mimetic biomacromolecules on FeO nanoparticles as magnetic anticoagulant via mussel-inspired coating. *Materials Science and Engineering C*, **2020**, 109, 110516	8.3	14
102	Self-Assembly Molecularly Imprinted Nanofiber for 4-HA Recognition. *Analytical Letters*, **2010**, 43, 2790-2797	2.2	13
101	Preparation and selective binding characterization of Bisphenol A imprinted polyethersulfone particles. *Journal of Applied Polymer Science*, **2007**, 106, 2791-2799	2.9	13
100	DNA-Loaded PSf Microspheres Used in Environmental Application. *Separation Science and Technology*, **2004**, 39, 3043-3055	2.5	13
99	Design of carboxymethyl chitosan-based heparin-mimicking cross-linked beads for safe and efficient blood purification. *International Journal of Biological Macromolecules*, **2018**, 117, 392-400	7.9	13
98	Core@shell poly (acrylic acid) microgels/polyethersulfone beads for dye uptake from wastewater. *Journal of Environmental Chemical Engineering*, **2017**, 5, 1732-1743	6.8	12
97	Ionic strength- and thermo-responsive polyethersulfone composite membranes with enhanced antifouling properties. *New Journal of Chemistry*, **2018**, 42, 5323-5333	3.6	12
96	An in situ crosslinking approach towards chitosan-based semi-IPN hybrid particles for versatile adsorptions of toxins. *RSC Advances*, **2015**, 5, 51631-51641	3.7	12
95	Protein-grafted carboxylic poly(ether sulfone) membranes: Preparation and characterization. *Journal of Applied Polymer Science*, **2012**, 126, 1277-1290	2.9	12
94	Polymeric Particles for the Removal of Endocrine Disruptors. *Separation and Purification Reviews*, **2011**, 40, 312-337	7.3	12
93	Precipitated droplets in-situ cross-linking polymerization towards hydrogel beads for ultrahigh removal of positively charged toxins. *Separation and Purification Technology*, **2020**, 238, 116497	8.3	12
92	Design of Robust Thermal and Anion Dual-Responsive Membranes with Switchable Response Temperature. *ACS Applied Materials & Interfaces*, **2018**, 10, 36443-36455	9.5	12
91	Anticoagulant chitosan-kappa-carrageenan composite hydrogel sorbent for simultaneous endotoxin and bacteria cleansing in septic blood. *Carbohydrate Polymers*, **2020**, 243, 116470	10.3	11
90	Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. *Polymer Chemistry*, **2020**, 11, 4355-4381	4.9	11

89	Construction of Kevlar nanofiber/graphene oxide composite beads as safe, self-anticoagulant, and highly efficient hemoperfusion adsorbents. *Journal of Materials Chemistry B*, **2020**, 8, 1960-1970	7.3	11
88	Synthesis and Characterization of Ultrahigh Ion-Exchange Capacity Polymeric Membranes. *Industrial & Engineering Chemistry Research*, **2016**, 55, 9667-9675	3.9	11
87	Poly (vinylpyrrolidone-co-acrylonitrile-co-vinylpyrrolidone) modified polyethersulfone hollow fiber membranes with improved blood compatibility. *Fibers and Polymers*, **2012**, 13, 269-276	2	11
86	Preparation of Surface Molecularly Imprinted Poly(dopamine) Film for 4-Hydroxybenzoic Acid (4-BA) Recognition by One-Step Method. *Analytical Letters*, **2011**, 44, 1796-1806	2.2	11
85	DNA-loaded porous polyethersulfone particles for environmental applications II. Utilization. *Journal of Applied Polymer Science*, **2005**, 98, 1674-1678	2.9	11
84	Fabrication and cytocompatibility evaluation for blood-compatible polyethersulfone membrane modified by a synthesized poly (vinyl pyrrolidone)-block-poly (acrylate-graft-poly(methyl methacrylate))-block-poly-(vinyl pyrrolidone). *Polymers for Advanced Technologies*, **2016**, 27, 591-596	3.2	11
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. *Materials Science and Engineering C*, **2019**, 95, 122-133	8.3	11
82	Multifunctionalized polyethersulfone membranes with networked submicrogels to improve antifouling property, antibacterial adhesion and blood compatibility. *Materials Science and Engineering C*, **2019**, 96, 402-411	8.3	11
81	Vapor induced phase separation towards anion-/near-infrared-responsive pore channels for switchable anti-fouling membranes. *Journal of Materials Chemistry A*, **2020**, 8, 8934-8948	13	11
80	Mussel-inspired ultra-stretchable, universally sticky, and highly conductive nanocomposite hydrogels. *Journal of Materials Chemistry B*, **2021**, 9, 2221-2232	7.3	11
79	Heparin-mimetic polyurethane hydrogels with anticoagulant, tunable mechanical property and controllable drug releasing behavior. *International Journal of Biological Macromolecules*, **2017**, 98, 1-11	7.9	10
78	Safe and Effective Removal of Urea by Urease-Immobilized, Carboxyl-Functionalized PES Beads with Good Reusability and Storage Stability. *ACS Omega*, **2019**, 4, 2853-2862	3.9	10
77	Redox-responsive polymeric membranes via supermolecular host–guest interactions. *Journal of Membrane Science*, **2015**, 480, 139-152	9.6	10
76	Antifouling and blood-compatible poly(ether sulfone) membranes modified by zwitterionic copolymers via In situ crosslinked copolymerization. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	10
75	Post-functionalization of carboxylic polyethersulfone composite membranes. *Composites Science and Technology*, **2018**, 156, 48-60	8.6	10
74	Effect of membrane pore size on the pH-sensitivity of polyethersulfone hollow fiber ultrafiltration membrane. *Journal of Applied Polymer Science*, **2012**, 123, 2320-2329	2.9	10
73	Layer-by-Layer Assembly for Surface Tethering of Thin-Hydrogel Films: Design Strategies and Applications. *Chemical Record*, **2020**, 20, 857-881	6.6	10
72	Transient blood thinning during extracorporeal blood purification via the inactivation of coagulation factors by hydrogel microspheres. *Nature Biomedical Engineering*, **2021**, 5, 1143-1156	19	10

71	Photoenhanced Dual-Functional Nanomedicine for Promoting Wound Healing: Shifting Focus from Bacteria Eradication to Host Microenvironment Modulation. *ACS Applied Materials & Interfaces*, **2021**, 13, 32316-32331	9.5	10
70	General Method for Synthesizing Transition-Metal Phosphide/N-Doped Carbon Nanomaterials for Hydrogen Evolution. *Langmuir*, **2019**, 35, 9161-9168	4	9
69	Bionic design for anticoagulant surface via synthesized biological macromolecules with heparin-like chains. *RSC Advances*, **2015**, 5, 58032-58040	3.7	9
68	Excellent biocompatible polymeric membranes prepared via layer-by-layer self-assembly. *Journal of Applied Polymer Science*, **2015**, 132,	2.9	9
67	A facile and high-efficiency strategy towards instantaneous clean-up of positively-charged microcontaminants by regenerative carboxylated sponge. *Chemical Engineering Journal*, **2020**, 388, 124301	14.7	9
66	Thermoresponsive Antibacterial Surfaces Switching from Bacterial Adhesion to Bacterial Repulsion. *Macromolecular Materials and Engineering*, **2018**, 303, 1700590	3.9	9
65	Graphene oxide-based polyethersulfone core–shell particles for dye uptake. *RSC Advances*, **2016**, 6, 102389-102397	3.7	9
64	Preparation and Characterization of pH-Sensitive Polyethersulfone Membranes Blended with Poly(methyl methacrylate-co-maleic anhydride) Copolymer. *Separation Science and Technology*, **2013**, 48, 1941-1953	2.5	9
63	Urease-Immobilized Magnetic Graphene Oxide as a Safe and Effective Urea Removal Recyclable Nanocatalyst for Blood Purification. *Industrial & Engineering Chemistry Research*, **2020**, 59, 8955-8964	3.9	9
62	Dual-responsive polymersomes as anticancer drug carriers for the co-delivery of doxorubicin and paclitaxel. *Journal of Materials Chemistry B*, **2021**, 9, 801-808	7.3	9
61	Semi-interpenetrating polymer network microspheres with superior dimensional stability as multifunctional antibacterial adsorbent materials. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103393	6.8	8
60	Hemocompatible magnetic particles with broad-spectrum bacteria capture capability for blood purification. *Journal of Colloid and Interface Science*, **2020**, 576, 1-9	9.3	8
59	Facile Fabrication of Mussel-Inspired Multifunctional Polymeric Membranes with Remarkable Anticoagulant, Antifouling, and Antibacterial Properties. *Macromolecular Materials and Engineering*, **2018**, 303, 1700378	3.9	8
58	Intelligent antibacterial surface based on ionic liquid molecular brushes for bacterial killing and release. *Journal of Materials Chemistry B*, **2019**, 7, 5520-5527	7.3	8
57	Preparation and Characterization of Poly(Acrylonitrile-co-Maleic Anhydride) Copolymer Modified Polyethersulfone Membranes. *Separation Science and Technology*, **2013**, 48, 1627-1635	2.5	8
56	Polyethersulfone nanofibers for the removal of endocrine disruptors. *Desalination and Water Treatment*, **2011**, 29, 158-163		8
55	Polyethersulfone-Modified Montmorillonite Hybrid Beads for the Removal of Bisphenol A. *Separation Science and Technology*, **2008**, 43, 1404-1420	2.5	8
54	Comparison of two approaches to grafting hydrophilic polymer chains onto polysulfone films. *Journal of Applied Polymer Science*, **2007**, 103, 3818-3826	2.9	8

53	Characterization of DNA-loaded porous polyethersulfone particles prepared by phase inversion technique. *Colloid Journal*, **2005**, 67, 140-145	1.1	8
52	Emerging 2D Materials for Electrocatalytic Applications: Synthesis, Multifaceted Nanostructures, and Catalytic Center Design.. *Small*, **2022**, e2105831	11	8
51	Topographic Cues Guiding Cell Polarization via Distinct Cellular Mechanosensing Pathways. *Small*, **2021**, e2104328	11	8
50	Nonadherent Zwitterionic Composite Nanofibrous Membrane with a Halloysite Nanocarrier for Sustained Wound Anti-Infection and Cutaneous Regeneration. *ACS Biomaterials Science and Engineering*, **2020**, 6, 621-633	5.5	8
49	Three-Dimensional Graphene Oxide Skeleton Guided Poly(acrylic Acid) Composite Hydrogel Particles with Hierarchical Pore Structure for Hemoperfusion. *ACS Biomaterials Science and Engineering*, **2019**, 5, 3987-4001	5.5	7
48	Improved antifouling properties and blood compatibility of 3-methacryloxypropyl trimethoxysilane based zwitterionic copolymer modified composite membranes via in situ post-crosslinking copolymerization. *RSC Advances*, **2015**, 5, 23229-23238	3.7	7
47	Root-soil structure inspired hydrogel microspheres with high dimensional stability and anion-exchange capacity. *Journal of Colloid and Interface Science*, **2018**, 532, 680-688	9.3	7
46	Bionic design for surface optimization combining hydrophilic and negative charged biological macromolecules. *International Journal of Biological Macromolecules*, **2014**, 67, 260-9	7.9	7
45	One-pot synthesis of highly hemocompatible polyurethane/polyethersulfone composite membranes. *Polymer Bulletin*, **2017**, 74, 3797-3818	2.4	6
44	Clinical evaluation of polyethersulfone high-flux hemodialysis membrane compared to other membranes. *Journal of Applied Polymer Science*, **2012**, 124, E91-E98	2.9	6
43	Interfacial Atom-Substitution Engineered Transition-Metal Hydroxide Nanofibers with High-Valence Fe for Efficient Electrochemical Water Oxidation.. *Angewandte Chemie - International Edition*, **2021**,	16.4	6
42	Fast and environmental-friendly approach towards uniform hydrogel particles with ultrahigh and selective removal of anionic dyes. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104352	6.8	6
41	A polyethersulfone composite ultrafiltration membrane with the in-situ generation of CdS nanoparticles for the effective removal of organic pollutants and photocatalytic self-cleaning. *Journal of Membrane Science*, **2021**, 638, 119715	9.6	6
40	Superhydrophilic and polyporous nanofibrous membrane with excellent photocatalytic activity and recyclability for wastewater remediation under visible light irradiation. *Chemical Engineering Journal*, **2022**, 427, 131685	14.7	6
39	Green Fabrication of Tannic Acid-Inspired Magnetic Composite Nanoparticles toward Cationic Dye Capture and Selective Degradation. *ACS Omega*, **2020**, 5, 6566-6575	3.9	5
38	Molecularly imprinted polyethersulfone membranes for the sieving, binding and recognition of bisphenol A. *Desalination and Water Treatment*, **2014**, 52, 5781-5789		5
37	Preparation, characterization, and testing of a composite membrane with pH sensitivity. *Journal of Applied Polymer Science*, **2011**, 119, 3607-3614	2.9	5
36	Rationally designed magnetic poly(catechol-hexanediamine) particles for bacteria removal and on-demand biofilm eradication. *Colloids and Surfaces B: Biointerfaces*, **2020**, 186, 110728	6	5

35	Constructing porous channels in superhydrophilic polyethersulfone composite nanofibrous membranes for sustainably enhanced photocatalytic activities in wastewater remediation. *Composites Science and Technology*, **2021**, 214, 108993	8.6	5
34	Amides and Heparin-Like Polymer Co-Functionalized Graphene Oxide Based Core @ Polyethersulfone Based Shell Beads for Bilirubin Adsorption. *Macromolecular Bioscience*, **2020**, 20, e2000153	5.5	4
33	Bioinspired Polyethersulfone Membrane Design via Blending with Functional Polyurethane. *International Journal of Polymer Science*, **2017**, 2017, 1-10	2.4	4
32	DNA-Modified Polysulphone Microspheres for Endocrine Disruptors and Heavy Metal Ions Removal. *Adsorption Science and Technology*, **2005**, 23, 387-398	3.6	4
31	Urease immobilized GO core@shell heparin-mimicking polymer beads with safe and effective urea removal for blood purification. *International Journal of Biological Macromolecules*, **2020**, 156, 1503-1511	7.9	4
30	Prenatal developmental safety of functional polyurethanes for cardiovascular implants. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2016**, 104, 606-14	3.5	4
29	Advanced Surfaces by Anchoring Thin Hydrogel Layers of Functional Polymers. *Chinese Journal of Polymer Science (English Edition)*, **2021**, 39, 14-34	3.5	4
28	Chondroitin-analogue decorated magnetic nanoparticles via a click reaction for selective adsorption of low-density lipoprotein. *Polymer Chemistry*, **2019**, 10, 2540-2550	4.9	3
27	Clearance of methylene blue by CdS enhanced composite hydrogel materials. *Environmental Technology (United Kingdom)*, **2020**, 1-12	2.6	3
26	Molecular Imprinted Polysulfone Membranes for the Sieving, Binding, and Recognition of Bisphenol A. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2013**, 62, 17-22	3	3
25	Performance evaluation of plasma fractionation membrane. *Therapeutic Apheresis and Dialysis*, **2002**, 6, 86-8		3
24	Improved Cooling Performance of Hydrogel Wound Dressings via Integrating Thermal Conductivity and Heat Storage Capacity for Burn Therapy.. *Biomacromolecules*, **2022**,	6.9	3
23	Versatile and robust poly(ionic liquid) coatings with intelligent superhydrophilicity/superhydrophobicity switch in high-efficient oil-water separation. *Separation and Purification Technology*, **2021**, 120100	8.3	3
22	Fabrication of Hemocompatible Polyethersulfone Derivatives by One-Step Radiation-Induced Homogeneous Polymerization. *Materials Today Communications*, **2020**, 25, 101548	2.5	3
21	Construction of dual-carbon-confined metal sulfide nanocrystals via bio-mimetic reactors enabling superior Fenton-like catalysis. *Journal of Materials Chemistry A*,	13	3
20	Antibacterial Nanoagents: Nonchemotherapic and Robust Dual-Responsive Nanoagents with On-Demand Bacterial Trapping, Ablation, and Release for Efficient Wound Disinfection (Adv. Funct. Mater. 21/2018). *Advanced Functional Materials*, **2018**, 28, 1870145	15.6	3
19	Chemical fuel-driven transient polymeric micelle nanoreactors toward reversible trapping and reaction acceleration. *Chemical Communications*, **2021**, 57, 5786-5789	5.8	3
18	1+1>2Highly efficient removal of organic pollutants by composite nanofibrous membrane based on the synergistic effect of adsorption and photocatalysis. *Journal of Materials Science and Technology*, **2022**, 124, 76-85	9.1	3

17	Extracorporeal hemoperfusion therapy for sepsis: Multi-lamellar microspheres towards cascade endotoxin removal and broad-spectrum radical eliminating. *Chemical Engineering Journal*, **2022**, 444, 136499	14.7	3
16	Polyethersulfone-Activated Carbon Hybrid Particles for Phenobarbital Removal. *Separation Science and Technology*, **2009**, 45, 142-147	2.5	2
15	Selective potassium uptake via biocompatible zeolite-polymer hybrid microbeads as promising binders for hyperkalemia. *Bioactive Materials*, **2021**, 6, 543-558	16.7	2
14	High-Valence Transition Metal Modified FeNiV Oxides Anchored on Carbon Fiber Cloth for Efficient Oxygen Evolution Catalysis. *Advanced Fiber Materials*,1	10.9	2
13	Alloyed nanostructures integrated metal-phenolic nanoplatform for synergistic wound disinfection and revascularization.. *Bioactive Materials*, **2022**, 16, 95-106	16.7	2
12	One-pot synthesized poly(vinyl pyrrolidone-co-methyl methacrylate-co-acrylic acid) blended with poly(ether sulfone) to prepare blood-compatible membranes. *Journal of Applied Polymer Science*, **2013**, 130, n/a-n/a	2.9	1
11	Long-term, synergistic and high-efficient antibacterial polyacrylonitrile nanofibrous membrane prepared by "one-pot" electrospinning process. *Journal of Colloid and Interface Science*, **2021**, 609, 718-718	9.3	1
10	Precipitated droplets in-situ cross-linking polymerization and its applications. *Polymer Testing*, **2020** , 91, 106756	4.5	1
9	Rapid synthesis of PEGylated multiblock polymers by sequence-controlled polymerization in H2O. *Polymer Chemistry*, **2020**, 11, 417-424	4.9	1
8	Facile and green approach towards biomass-derived hydrogel powders with hierarchical micro-nanostructures for ultrafast hemostasis. *Journal of Materials Chemistry B*, **2021**, 9, 6678-6690	7.3	1
7	Glucose and pH Dual-Responsive Polymersomes with Multilevel Self-Regulation of Blood Glucose for Insulin Delivery. *Biomacromolecules*, **2021**, 22, 3971-3979	6.9	1
6	Anticoagulant biomimetic consecutive gas exchange network for advanced artificial lung membrane. *Journal of Membrane Science*, **2022**, 653, 120502	9.6	1
5	A rapid-triggered approach towards antibacterial hydrogel wound dressing with synergic photothermal and sterilization profiles **2022**, 138, 212873		1
4	Hemocompatibility enhancement of polyethersulfone membranes: Strategies and challenges **2021**, 1, 100013		0
3	Immune-stealth carboxymethyl chitosan-based nanomaterials for magnetic resonance imaging-guided photothermal therapy.. *Carbohydrate Polymers*, **2022**, 288, 119382	10.3	0
2	Macromol. Mater. Eng. 3/2018. *Macromolecular Materials and Engineering*, **2018**, 303, 1870011	3.9	
1	Synthesis of Stimuli-responsive Nanoparticles by Solution Polymerization. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2010**, 48, 135-141	2.2	