

Cheng-Sheng 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.

286
papers

10,511
citations

55
h-index

87
g-index

295
ext. papers

12,187
ext. citations

7.6
avg, IF

6.6
L-index

#	Paper	IF	Citations
286	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
285	Emerging 2D Materials for Electrocatalytic Applications: Synthesis, Multifaceted Nanostructures, and Catalytic Center Design.. <i>Small</i> , 2022 , e2105831	11	8
284	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
283	Immune-stealth carboxymethyl chitosan-based nanomaterials for magnetic resonance imaging-guided photothermal therapy.. <i>Carbohydrate Polymers</i> , 2022 , 288, 119382	10.3	0
282	Anticoagulant biomimetic consecutive gas exchange network for advanced artificial lung membrane. <i>Journal of Membrane Science</i> , 2022 , 653, 120502	9.6	1
281	Alloyed nanostructures integrated metal-phenolic nanoplatform for synergistic wound disinfection and revascularization.. <i>Bioactive Materials</i> , 2022 , 16, 95-106	16.7	2
280	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
279	Extracorporeal hemoperfusion therapy for sepsis: Multi-lamellar microspheres towards cascade endotoxin removal and broad-spectrum radical eliminating. <i>Chemical Engineering Journal</i> , 2022 , 444, 136499	14.7	3
278	A rapid-triggered approach towards antibacterial hydrogel wound dressing with synergic photothermal and sterilization profiles 2022 , 138, 212873		1
277	Interfacial Atom-Substitution Engineered Transition-Metal Hydroxide Nanofibers with High-Valence Fe for Efficient Electrochemical Water Oxidation.. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	6
276	Versatile and robust poly(ionic liquid) coatings with intelligent superhydrophilicity/superhydrophobicity switch in high-efficient oil-water separation. <i>Separation and Purification Technology</i> , 2021 , 120100	8.3	3
275	Topographic Cues Guiding Cell Polarization via Distinct Cellular Mechanosensing Pathways. <i>Small</i> , 2021 , e2104328	11	8
274	Hemocompatibility enhancement of polyethersulfone membranes: Strategies and challenges 2021 , 1, 100013		0
273	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, 718-728	11.8	1
272	Hedgehog artificial macrophage with atomic-catalytic centers to combat Drug-resistant bacteria. <i>Nature Communications</i> , 2021 , 12, 6143	17.4	19
271	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
270	Dual-responsive polymersomes as anticancer drug carriers for the co-delivery of doxorubicin and paclitaxel. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 801-808	7.3	9

269	Controllable ligand spacing stimulates cellular mechanotransduction and promotes stem cell osteogenic differentiation on soft hydrogels. <i>Biomaterials</i> , 2021 , 268, 120543	15.6	20
268	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
267	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
266	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
265	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
264	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
263	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
262	Photoenhanced Dual-Functional Nanomedicine for Promoting Wound Healing: Shifting Focus from Bacteria Eradication to Host Microenvironment Modulation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32316-32331	9.5	10
261	Glucose and pH Dual-Responsive Polymersomes with Multilevel Self-Regulation of Blood Glucose for Insulin Delivery. <i>Biomacromolecules</i> , 2021 , 22, 3971-3979	6.9	1
260	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
259	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
258	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
257	Chemical fuel-driven transient polymeric micelle nanoreactors toward reversible trapping and reaction acceleration. <i>Chemical Communications</i> , 2021 , 57, 5786-5789	5.8	3
256	Bioinspired Spiky Peroxidase-Mimics for Localized Bacterial Capture and Synergistic Catalytic Sterilization. <i>Advanced Materials</i> , 2021 , 33, e2005477	24	33
255	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
254	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
253	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
252	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

251	Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. <i>Polymer Chemistry</i> , 2020 , 11, 4355-4381	4.9	11
250	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
249	Clearance of methylene blue by CdS enhanced composite hydrogel materials. <i>Environmental Technology (United Kingdom)</i> , 2020 , 1-12	2.6	3
248	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
247	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
246	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1803-1915	7.8	70
245	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
244	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
243	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
242	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
241	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
240	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
239	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
238	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
237	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
236	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
235	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
234	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

233	Core-shell-structured MOF-derived 2D hierarchical nanocatalysts with enhanced Fenton-like activities. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3168-3179	13	52
232	Precipitated droplets in-situ cross-linking polymerization and its applications. <i>Polymer Testing</i> , 2020 , 91, 106756	4.5	1
231	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
230	Fabrication of Hemocompatible Polyethersulfone Derivatives by One-Step Radiation-Induced Homogeneous Polymerization. <i>Materials Today Communications</i> , 2020 , 25, 101548	2.5	3
229	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
228	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
227	Rapid synthesis of PEGylated multiblock polymers by sequence-controlled polymerization in H ₂ O. <i>Polymer Chemistry</i> , 2020 , 11, 417-424	4.9	1
226	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
225	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	2.9	9
224	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
223	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
222	Semi-interpenetrating polymer network microspheres with superior dimensional stability as multifunctional antibacterial adsorbent materials. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103393	6.8	8
221	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
220	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
219	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
218	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
217	General Method for Synthesizing Transition-Metal Phosphide/N-Doped Carbon Nanomaterials for Hydrogen Evolution. <i>Langmuir</i> , 2019 , 35, 9161-9168	4	9
216	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

215	Hexapeptide-conjugated calcitonin for targeted therapy of osteoporosis. <i>Journal of Controlled Release</i> , 2019 , 304, 39-50	11.7	14
214	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
213	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
212	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
211	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
210	Codeposition of Polydopamine and Zwitterionic Polymer on Membrane Surface with Enhanced Stability and Antibiofouling Property. <i>Langmuir</i> , 2019 , 35, 1430-1439	4	44
209	Ionic-Strength Responsive Zwitterionic Copolymer Hydrogels with Tunable Swelling and Adsorption Behaviors. <i>Langmuir</i> , 2019 , 35, 1146-1155	4	47
208	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
207	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
206	Antibiofouling Zwitterionic Gradational Membranes with Moisture Retention Capability and Sustained Antimicrobial Property for Chronic Wound Infection and Skin Regeneration. <i>Biomacromolecules</i> , 2019 , 20, 3057-3069	6.9	28
205	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
204	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
203	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
202	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
201	Metal-Organic Precursor-Derived Mesoporous Carbon Spheres with Homogeneously Distributed Molybdenum Carbide/Nitride Nanoparticles for Efficient Hydrogen Evolution in Alkaline Media. <i>Advanced Functional Materials</i> , 2019 , 29, 1807419	15.6	68
200	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
199	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> , 2019 , 95, 122-133	8.3	11
198	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

197	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
196	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
195	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
194	Bioinspired heptapeptides as functionalized mineralization inducers with enhanced hydroxyapatite affinity. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1984-1994	7.3	21
193	Thermoresponsive Antibacterial Surfaces Switching from Bacterial Adhesion to Bacterial Repulsion. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1700590	3.9	9
192	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
191	Rationally designed magnetic nanoparticles as anticoagulants for blood purification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 164, 316-323	6	15
190	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
189	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
188	Design of Carrageenan-Based Heparin-Mimetic Gel Beads as Self-Anticoagulant Hemoperfusion Adsorbents. <i>Biomacromolecules</i> , 2018 , 19, 1966-1978	6.9	39
187	Post-functionalization of carboxylic polyethersulfone composite membranes. <i>Composites Science and Technology</i> , 2018 , 156, 48-60	8.6	10
186	Tannic acid-inspiration 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
185	Macromol. Mater. Eng. 3/2018. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1870011	3.9	
184	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
183	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
182	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
181	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
180	A facile approach towards amino-coated ferroferric oxide nanoparticles for environmental pollutant removal. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 647-657	9.3	18

179	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
178	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
177	Mussel-Inspired Synthesis of NIR-Responsive and Biocompatible Ag-Graphene 2D Nanoagents for Versatile Bacterial Disinfections. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 296-307	9.5	70
176	One-step phosphorylated poly(amide-amine) dendrimer loaded with apigenin for simultaneous remineralization and antibacterial of dentine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 172, 760-768	6	22
175	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
174	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
173	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
172	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
171	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
170	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
169	Bioinspired and biocompatible carbon nanotube-Ag nanohybrid coatings for robust antibacterial applications. <i>Acta Biomaterialia</i> , 2017 , 51, 479-494	10.8	71
168	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
167	Aramid nanofiber as an emerging nanofibrous modifier to enhance ultrafiltration and biological performances of polymeric membranes. <i>Journal of Membrane Science</i> , 2017 , 528, 251-263	9.6	52
166	One-pot synthesis of highly hemocompatible polyurethane/polyethersulfone composite membranes. <i>Polymer Bulletin</i> , 2017 , 74, 3797-3818	2.4	6
165	Engineering of hemocompatible and antifouling polyethersulfone membranes by blending with heparin-mimicking microgels. <i>Biomaterials Science</i> , 2017 , 5, 1112-1121	7.4	22
164	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
163	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
162	A facile way to prepare anti-fouling and blood-compatible polyethersulfone membrane via blending with heparin-mimicking polyurethanes. <i>Materials Science and Engineering C</i> , 2017 , 78, 1035-1045	8.3	25

161	Fabrication of metronidazole loaded poly (ϵ -caprolactone)/zein core/shell nanofiber membranes via coaxial electrospinning for guided tissue regeneration. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 270-278	9.3	88
160	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
159	Direct catechol conjugation of mussel-inspired biomacromolecule coatings to polymeric membranes with antifouling properties, anticoagulant activity and cytocompatibility. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3035-3046	7.3	23
158	Mussel-inspired post-heparinization of a stretchable hollow hydrogel tube and its potential application as an artificial blood vessel. <i>Polymer Chemistry</i> , 2017 , 8, 2266-2275	4.9	31
157	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
156	Introducing multiple bio-functional groups on the poly(ether sulfone) membrane substrate to fabricate an effective antithrombotic bio-interface. <i>Biomaterials Science</i> , 2017 , 5, 2416-2426	7.4	21
155	Substrate-Independent Ag-Nanoparticle-Loaded Hydrogel Coating with Regenerable Bactericidal and Thermo-responsive Antibacterial Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44782-44791	8.5	63
154	Antibacterial and anti-biofouling coating on hydroxyapatite surface based on peptide-modified tannic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 160, 136-143	6	31
153	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
152	Inflammation-responsive self-regulated drug release from ultrathin hydrogel coating. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 158, 518-526	6	21
151	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
150	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
149	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
148	Nanopatterned Adhesive, Stretchable Hydrogel to Control Ligand Spacing and Regulate Cell Spreading and Migration. <i>ACS Nano</i> , 2017 , 11, 8282-8291	16.7	70
147	Bio-inspired peptide decorated dendrimers for a robust antibacterial coating on hydroxyapatite. <i>Polymer Chemistry</i> , 2017 , 8, 4264-4279	4.9	24
146	Multi-responsive, tough and reversible hydrogels with tunable swelling property. <i>Journal of Hazardous Materials</i> , 2017 , 322, 499-507	12.8	22
145	Super-Anticoagulant Heparin-Mimicking Hydrogel Thin Film Attached Substrate Surfaces to Improve Hemocompatibility. <i>Macromolecular Bioscience</i> , 2017 , 17, 1600281	5.5	24
144	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

143	Bioinspired Polyethersulfone Membrane Design via Blending with Functional Polyurethane. <i>International Journal of Polymer Science</i> , 2017 , 2017, 1-10	2.4	4
142	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
141	Graphene oxide linked sulfonate-based polyanionic nanogels as biocompatible, robust and versatile modifiers of ultrafiltration membranes. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 6143-6153	7.3	24
140	Synthesis and Characterization of Ultrahigh Ion-Exchange Capacity Polymeric Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 9667-9675	3.9	11
139	Improved antifouling and antimicrobial efficiency of ultrafiltration membranes with functional carbon nanotubes. <i>RSC Advances</i> , 2016 , 6, 88265-88276	3.7	30
138	Graphene oxide and sulfonated polyanion co-doped hydrogel films for dual-layered membranes with superior hemocompatibility and antibacterial activity. <i>Biomaterials Science</i> , 2016 , 4, 1431-40	7.4	37
137	A robust way to prepare blood-compatible and anti-fouling polyethersulfone membrane. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 146, 326-33	6	16
136	Highly swellable and biocompatible graphene/heparin-analogue hydrogels for implantable drug and protein delivery. <i>RSC Advances</i> , 2016 , 6, 71893-71904	3.7	14
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134	Graphene oxide-based polyethersulfone core-shell particles for dye uptake. <i>RSC Advances</i> , 2016 , 6, 102389-102397	3.7	14
133	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
132	Anticoagulant sodium alginate sulfates and their mussel-inspired heparin-mimetic coatings. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3203-3215	7.3	51
131	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
130	Mussel-inspired coatings on Ag nanoparticle-conjugated carbon nanotubes: bactericidal activity and mammal cell toxicity. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 2749-2756	7.3	34
129	Functional polyethersulfone particles for the removal of bilirubin. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 28	4.5	24
128	Switching biological functionalities of biointerfaces via dynamic covalent bonds. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 694-703	7.3	21
127	Construction of microgels embedded robust ultrafiltration membranes for highly effective bioadhesion resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 139, 199-210	6	17
126	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

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124	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). <i>Polymers for Advanced Technologies</i> , 2016 , 27, 591-596	3.2	11
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122	Dynamic Covalent Bond-Assisted Anchor of PEG Brushes on Cationic Surfaces with Antibacterial and Antithrombotic Dual Capabilities. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500473	4.6	16
121	Kevlar based nanofibrous particles as robust, effective and recyclable absorbents for water purification. <i>Journal of Hazardous Materials</i> , 2016 , 318, 255-265	12.8	58
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116	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
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