Tao Xiang

List of Publications by Year
in descending order

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208 papers	11,797 citations	18482 62 h-index	38395 95 g-index
209 all docs	209 docs citations	209 times ranked	10837 citing authors

#	Article	IF	Citations
1	Clearance of methylene blue by CdS enhanced composite hydrogel materials. Environmental Technology (United Kingdom), 2022, 43, 355-366.	2.2	3
2	Superhydrophilic and polyporous nanofibrous membrane with excellent photocatalytic activity and recyclability for wastewater remediation under visible light irradiation. Chemical Engineering Journal, 2022, 427, 131685.	12.7	33
3	Long-term, synergistic and high-efficient antibacterial polyacrylonitrile nanofibrous membrane prepared by â€œone-potâ€•electrospinning process. Journal of Colloid and Interface Science, 2022, 609, 718-733.	9.4	17
4	Mussel-Inspired and In Situ Polymerization-Modified Commercial Sponge for Efficient Crude Oil and Organic Solvent Adsorption. ACS Applied Materials & Interfaces, 2022, 14, 2663-2673.	8.0	21
5	Immune-stealth carboxymethyl chitosan-based nanomaterials for magnetic resonance imaging-guided photothermal therapy. Carbohydrate Polymers, 2022, 288, 119382.	10.2	3
6	â€œ1+1>2â€• Highly 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.	10.7	16
7	Extracorporeal hemoperfusion therapy for sepsis: Multi-lamellar microspheres towards cascade endotoxin removal and broad-spectrum radical eliminating. Chemical Engineering Journal, 2022, 444, 136499.	12.7	23
8	Biomimetic Microstructured Antifatigue Fracture Hydrogel Sensor for Human Motion Detection with Enhanced Sensing Sensitivity. ACS Applied Materials & Interfaces, 2022, 14, 27371-27382.	8.0	30
9	Salt-mediated triple shape-memory ionic conductive polyampholyte hydrogel for wearable flexible electronics. Journal of Materials Chemistry A, 2021, 9, 1048-1061.	10.3	78
10	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.	10.7	42
11	Transient blood thinning during extracorporeal blood purification via the inactivation of coagulation factors by hydrogel microspheres. Nature Biomedical Engineering, 2021, 5, 1143-1156.	22.5	54
12	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.	8.0	27
13	Biomimetic Microstructured Hydrogels with Thermal-Triggered Switchable Underwater Adhesion and Stable Antiswelling Property. ACS Applied Materials & Interfaces, 2021, 13, 36574-36586.	8.0	34
14	Constructing porous channels in superhydrophilic polyethersulfone composite nanofibrous membranes for sustainably enhanced photocatalytic activities in wastewater remediation. Composites Science and Technology, 2021, 214, 108993.	7.8	17
15	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.	8.2	26
16	Salt-responsive polyampholyte-based hydrogel actuators with gradient porous structures. Polymer Chemistry, 2021, 12, 670-679.	3.9	25
17	Multifunctional Thermoplastic Polyurea Based on the Synergy of Dynamic Disulfide Bonds and Hydrogen Bond Cross-Links. ACS Applied Materials & Interfaces, 2021, 13, 1463-1473.	8.0	48
18	Hemocompatibility enhancement of polyethersulfone membranes: Strategies and challenges. , 2021, 1, 100013.		11

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19	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.	5.8	44
20	Precipitated droplets in-situ cross-linking polymerization towards hydrogel beads for ultrahigh removal of positively charged toxins. Separation and Purification Technology, 2020, 238, 116497.	7.9	19
21	Rationally designed magnetic poly(catechol-hexanediamine) particles for bacteria removal and on-demand biofilm eradication. Colloids and Surfaces B: Biointerfaces, 2020, 186, 110728.	5.0	13
22	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.	7.5	10
23	Precipitated droplets in-situ cross-linking polymerization and its applications. Polymer Testing, 2020, 91, 106756.	4.8	6
24	Dual-functional polyethersulfone composite nanofibrous membranes with synergistic adsorption and photocatalytic degradation for organic dyes. Composites Science and Technology, 2020, 199, 108353.	7.8	54
25	A near-infrared light-triggered shape-memory polymer for long-time fluorescence imaging in deep tissues. Journal of Materials Chemistry B, 2020, 8, 8061-8070.	5.8	24
26	Metalâ€Phenolic Networks Nanoplatform to Mimic Antioxidant Defense System for Broadâ€Spectrum Radical Eliminating and Endotoxemia Treatment. Advanced Functional Materials, 2020, 30, 2002234.	14.9	74
27	Anticoagulant chitosan-kappa-carrageenan composite hydrogel sorbent for simultaneous endotoxin and bacteria cleansing in septic blood. Carbohydrate Polymers, 2020, 243, 116470.	10.2	37
28	Hemocompatible magnetic particles with broad-spectrum bacteria capture capability for blood purification. Journal of Colloid and Interface Science, 2020, 576, 1-9.	9.4	27
29	Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. Polymer Chemistry, 2020, 11, 4355-4381.	3.9	32
30	Green Fabrication of Tannic Acid-Inspired Magnetic Composite Nanoparticles toward Cationic Dye Capture and Selective Degradation. ACS Omega, 2020, 5, 6566-6575.	3.5	11
31	Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915.	5.9	117
32	Amides and Heparinâ€Like Polymer Coâ€Functionalized Graphene Oxide Based Core @ Polyethersulfone Based Shell Beads for Bilirubin Adsorption. Macromolecular Bioscience, 2020, 20, e2000153.	4.1	11
33	Self-Anticoagulant Nanocomposite Spheres for the Removal of Bilirubin from Whole Blood: A Step toward a Wearable Artificial Liver. Biomacromolecules, 2020, 21, 1762-1775.	5.4	38
34	A facile and high-efficiency strategy towards instantaneous clean-up of positively-charged microcontaminants by regenerative carboxylated sponge. Chemical Engineering Journal, 2020, 388, 124301.	12.7	12
35	A self-cleaning zwitterionic nanofibrous membrane for highly efficient oil-in-water separation. Science of the Total Environment, 2020, 729, 138876.	8.0	40
36	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.	3.7	16

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37	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.	10.3	24
38	Biomimetic micro/nano structures for biomedical applications. Nano Today, 2020, 35, 100980.	11.9	69
39	Codeposition of Polydopamine and Zwitterionic Polymer on Membrane Surface with Enhanced Stability and Antibiofouling Property. Langmuir, 2019, 35, 1430-1439.	3.5	70
40	Ionic-Strength Responsive Zwitterionic Copolymer Hydrogels with Tunable Swelling and Adsorption Behaviors. Langmuir, 2019, 35, 1146-1155.	3.5	81
41	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.	9.4	75
42	Engineering antimicrobial and biocompatible electrospun PLGA fibrous membranes by irradiation grafting polyvinylpyrrolidone and periodate. Colloids and Surfaces B: Biointerfaces, 2019, 181, 918-926.	5.0	19
43	Positively-charged polyethersulfone nanofibrous membranes for bacteria and anionic dyes removal. Journal of Colloid and Interface Science, 2019, 556, 492-502.	9.4	43
44	Lightâ€induced dynamically tunable micropatterned surface for the regulation of the endothelial cell alignment. Biosurface and Biotribology, 2019, 5, 46-51.	1.5	8
45	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.	10.3	46
46	Semi-interpenetrating polymer network microspheres with superior dimensional stability as multifunctional antibacterial adsorbent materials. Journal of Environmental Chemical Engineering, 2019, 7, 103393.	6.7	10
47	Heparin-based and heparin-inspired hydrogels: size-effect, gelation and biomedical applications. Journal of Materials Chemistry B, 2019, 7, 1186-1208.	5.8	93
48	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.	3.7	52
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.	5.2	16
50	A body temperature and water-induced shape memory hydrogel with excellent mechanical properties. Polymer Chemistry, 2019, 10, 3488-3496.	3.9	24
51	A pH-induced self-healable shape memory hydrogel with metal-coordination cross-links. Polymer Chemistry, 2019, 10, 1920-1929.	3.9	64
52	Chondroitin-analogue decorated magnetic nanoparticles via a click reaction for selective adsorption of low-density lipoprotein. Polymer Chemistry, 2019, 10, 2540-2550.	3.9	6
53	Surface engineering of low-fouling and hemocompatible polyethersulfone membranes via in-situ ring-openingâ€reaction. Journal of Membrane Science, 2019, 581, 373-382.	8.2	36
54	Recent progresses in graphene based bio-functional nanostructures for advanced biological and cellular interfaces. Nano Today, 2019, 26, 57-97.	11.9	58

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55	Multifunctional negatively-charged poly (ether sulfone) nanofibrous membrane for water remediation. Journal of Colloid and Interface Science, 2019, 538, 648-659.	9.4	33
56	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.	7.5	30
57	A green approach towards functional hydrogel particles from synthetic polymers via spherical capsule mini-reactors. Chemical Engineering Journal, 2019, 359, 1360-1371.	12.7	31
58	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.	5.8	22
59	Multifunctionalized polyethersulfone membranes with networked submicrogels to improve antifouling property, antibacterial adhesion and blood compatibility. Materials Science and Engineering C, 2019, 96, 402-411.	7.3	14
60	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.	5.0	35
61	Ionic strength- and thermo-responsive polyethersulfone composite membranes with enhanced antifouling properties. New Journal of Chemistry, 2018, 42, 5323-5333.	2.8	19
62	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.	6.7	43
63	Rationally designed magnetic nanoparticles as anticoagulants for blood purification. Colloids and Surfaces B: Biointerfaces, 2018, 164, 316-323.	5.0	21
64	Engineering sodium alginate-based cross-linked beads with high removal ability of toxic metal ions and cationic dyes. Carbohydrate Polymers, 2018, 187, 85-93.	10.2	84
65	Design of Carrageenan-Based Heparin-Mimetic Gel Beads as Self-Anticoagulant Hemoperfusion Adsorbents. Biomacromolecules, 2018, 19, 1966-1978.	5.4	70
66	Post-functionalization of carboxylic polyethersulfone composite membranes. Composites Science and Technology, 2018, 156, 48-60.	7.8	14
67	Tannic acid-inspiration and post-crosslinking of zwitterionic polymer as a universal approach towards antifouling surface. Chemical Engineering Journal, 2018, 337, 122-132.	12.7	131
68	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.	9.4	63
69	A facile approach towards amino-coated ferroferric oxide nanoparticles for environmental pollutant removal. Journal of Colloid and Interface Science, 2018, 513, 647-657.	9.4	25
70	Photo-responsive membrane surface: Switching from bactericidal to bacteria-resistant property. Materials Science and Engineering C, 2018, 84, 52-59.	7.3	22
71	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	20
72	Mussel-Inspired Synthesis of NIR-Responsive and Biocompatible Agâ€“Graphene 2D Nanoagents for Versatile Bacterial Disinfections. ACS Applied Materials & Interfaces, 2018, 10, 296-307.	8.0	91

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73	Design of Robust Thermal and Anion Dual-Responsive Membranes with Switchable Response Temperature. ACS Applied Materials & Interfaces, 2018, 10, 36443-36455.	8.0	20
74	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.	10.2	29
75	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.	7.5	18
76	Bidirectionally pH-Responsive Zwitterionic Polymer Hydrogels with Switchable Selective Adsorption Capacities for Anionic and Cationic Dyes. Industrial & Engineering Chemistry Research, 2018, 57, 8209-8219.	3.7	35
77	Nonchemotherapic and Robust Dualâ€Responsive Nanoagents with Onâ€Demand Bacterial Trapping, Ablation, and Release for Efficient Wound Disinfection. Advanced Functional Materials, 2018, 28, 1705708.	14.9	133
78	Root-soil structure inspired hydrogel microspheres with high dimensional stability and anion-exchange capacity. Journal of Colloid and Interface Science, 2018, 532, 680-688.	9.4	13
79	Nanofibrous membranes with surface migration of functional groups for ultrafast wastewater remediation. Journal of Materials Chemistry A, 2018, 6, 13359-13372.	10.3	60
80	Bioinspired and biocompatible carbon nanotube-Ag nanohybrid coatings for robust antibacterial applications. Acta Biomaterialia, 2017, 51, 479-494.	8.3	87
81	Aramid nanofiber as an emerging nanofibrous modifier to enhance ultrafiltration and biological performances of polymeric membranes. Journal of Membrane Science, 2017, 528, 251-263.	8.2	65
82	One-pot synthesis of highly hemocompatible polyurethane/polyethersulfone composite membranes. Polymer Bulletin, 2017, 74, 3797-3818.	3.3	6
83	Synergetic effect of topological cue and periodic mechanical tension-stress on osteogenic differentiation of rat bone mesenchymal stem cells. Colloids and Surfaces B: Biointerfaces, 2017, 154, 1-9.	5.0	15
84	Engineering of hemocompatible and antifouling polyethersulfone membranes by blending with heparin-mimicking microgels. Biomaterials Science, 2017, 5, 1112-1121.	5.4	33
85	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.	8.0	91
86	Design of anion species/strength responsive membranes via in-situ cross-linked copolymerization of ionic liquids. Journal of Membrane Science, 2017, 535, 158-167.	8.2	29
87	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.	7.3	41
88	Bioinspired 3D Multilayered Shape Memory Scaffold with a Hierarchically Changeable Micropatterned Surface for Efficient Vascularization. ACS Applied Materials & Interfaces, 2017, 9, 19725-19735.	8.0	56
89	Mussel-inspired chitosan-polyurethane coatings for improving the antifouling and antibacterial properties of polyethersulfone membranes. Carbohydrate Polymers, 2017, 168, 310-319.	10.2	62
90	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.	5.8	27

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91	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.	3.9	44
92	Core@shell poly (acrylic acid) microgels/polyethersulfone beads for dye uptake from wastewater. Journal of Environmental Chemical Engineering, 2017, 5, 1732-1743.	6.7	16
93	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.	5.4	27
94	Substrate-Independent Ag-Nanoparticle-Loaded Hydrogel Coating with Regenerable Bactericidal and Thermoresponsive Antibacterial Properties. ACS Applied Materials & Interfaces, 2017, 9, 44782-44791.	8.0	85
95	Antibacterial and anti-biofouling coating on hydroxyapatite surface based on peptide-modified tannic acid. Colloids and Surfaces B: Biointerfaces, 2017, 160, 136-143.	5.0	45
96	Inflammation-responsive self-regulated drug release from ultrathin hydrogel coating. Colloids and Surfaces B: Biointerfaces, 2017, 158, 518-526.	5.0	22
97	Hexanediamine functionalized poly (glycidyl methacrylate-co-N-vinylpyrrolidone) particles for bilirubin removal. Journal of Colloid and Interface Science, 2017, 504, 214-222.	9.4	36
98	A self-defensive bilayer hydrogel coating with bacteria triggered switching from cell adhesion to antibacterial adhesion. Polymer Chemistry, 2017, 8, 5344-5353.	3.9	20
99	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.	5.8	89
100	Multi-responsive, tough and reversible hydrogels with tunable swelling property. Journal of Hazardous Materials, 2017, 322, 499-507.	12.4	33
101	Super-Anticoagulant Heparin-Mimicking Hydrogel Thin Film Attached Substrate Surfaces to Improve Hemocompatibility. Macromolecular Bioscience, 2017, 17, 1600281.	4.1	31
102	A facile approach towards amino-coated polyethersulfone particles for the removal of toxins. Journal of Colloid and Interface Science, 2017, 485, 39-50.	9.4	49
103	Bioinspired Polyethersulfone Membrane Design via Blending with Functional Polyurethane. International Journal of Polymer Science, 2017, 2017, 1-10.	2.7	4
104	Kevlar based nanofibrous particles as robust, effective and recyclable absorbents for water purification. Journal of Hazardous Materials, 2016, 318, 255-265.	12.4	69
105	Highly hemo-compatible, mechanically strong, and conductive dual cross-linked polymer hydrogels. Journal of Materials Chemistry B, 2016, 4, 8016-8024.	5.8	28
106	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.	8.3	84
107	Mussel-Inspired Antibacterial and Biocompatible Silverâ€“Carbon Nanotube Composites: Green and Universal Nanointerfacial Functionalization. Langmuir, 2016, 32, 5955-5965.	3.5	36
108	A recyclable and regenerable magnetic chitosan absorbent for dye uptake. Carbohydrate Polymers, 2016, 150, 201-208.	10.2	47

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109	A versatile approach towards multi-functional surfaces via covalently attaching hydrogel thin layers. Journal of Colloid and Interface Science, 2016, 484, 60-69.	9.4	36
110	Nanofibrous polymeric beads from aramid fibers for efficient bilirubin removal. Biomaterials Science, 2016, 4, 1392-1401.	5.4	47
111	Hostâ€“Guest Self-Assembly Toward Reversible Thermoresponsive Switching for Bacteria Killing and Detachment. ACS Applied Materials & Interfaces, 2016, 8, 23523-23532.	8.0	68
112	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.	5.8	27
113	Improved antifouling and antimicrobial efficiency of ultrafiltration membranes with functional carbon nanotubes. RSC Advances, 2016, 6, 88265-88276.	3.6	36
114	Graphene oxide and sulfonated polyanion co-doped hydrogel films for dual-layered membranes with superior hemocompatibility and antibacterial activity. Biomaterials Science, 2016, 4, 1431-1440.	5.4	43
115	A robust way to prepare blood-compatible and anti-fouling polyethersulfone membrane. Colloids and Surfaces B: Biointerfaces, 2016, 146, 326-333.	5.0	23
116	Highly swellable and biocompatible graphene/heparin-analogue hydrogels for implantable drug and protein delivery. RSC Advances, 2016, 6, 71893-71904.	3.6	15
117	Heparin-Like Chitosan Hydrogels with Tunable Swelling Behavior, Prolonged Clotting Times, and Prevented Contact Activation and Complement Activation. Biomacromolecules, 2016, 17, 4011-4020.	5.4	39
118	Graphene oxide-based polyethersulfone coreâ€“shell particles for dye uptake. RSC Advances, 2016, 6, 102389-102397.	3.6	11
119	Engineering polyethersulfone hollow fiber membrane with improved blood compatibility and antibacterial property. Colloid and Polymer Science, 2016, 294, 441-453.	2.1	32
120	Anticoagulant sodium alginate sulfates and their mussel-inspired heparin-mimetic coatings. Journal of Materials Chemistry B, 2016, 4, 3203-3215.	5.8	67
121	Preparation, characterization and application of poly(sodium p-styrenesulfonate)/poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 1	5.8	21
122	Mussel-inspired coatings on Ag nanoparticle-conjugated carbon nanotubes: bactericidal activity and mammal cell toxicity. Journal of Materials Chemistry B, 2016, 4, 2749-2756.	5.8	39
123	Functional polyethersulfone particles for the removal of bilirubin. Journal of Materials Science: Materials in Medicine, 2016, 27, 28.	3.6	28
124	Construction of microgels embedded robust ultrafiltration membranes for highly effective bioadhesion resistance. Colloids and Surfaces B: Biointerfaces, 2016, 139, 199-210.	5.0	17
125	A facile approach toward multi-functional polyurethane/polyethersulfone composite membranes for versatile applications. Materials Science and Engineering C, 2016, 59, 556-564.	7.3	35
126	Heparin-mimicking polyethersulfone membranes â€“ hemocompatibility, cytocompatibility, antifouling and antibacterial properties. Journal of Membrane Science, 2016, 498, 135-146.	8.2	68

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127	An in situ crosslinking approach towards chitosan-based semi-IPN hybrid particles for versatile adsorptions of toxins. RSC Advances, 2015, 5, 51631-51641.	3.6	13
128	Ag-nanogel blended polymeric membranes with antifouling, hemocompatible and bactericidal capabilities. Journal of Materials Chemistry B, 2015, 3, 9295-9304.	5.8	40
129	Graphene oxide based heparin-mimicking and hemocompatible polymeric hydrogels for versatile biomedical applications. Journal of Materials Chemistry B, 2015, 3, 592-602.	5.8	76
130	In Situ Cross-Linking of Stimuli-Responsive Hemicellulose Microgels during Spray Drying. ACS Applied Materials & Interfaces, 2015, 7, 4202-4215.	8.0	40
131	Nanofibrous Heparin and Heparin-Mimicking Multilayers as Highly Effective Endothelialization and Antithrombogenic Coatings. Biomacromolecules, 2015, 16, 992-1001.	5.4	74
132	In Situ Synthesis of Magnetic Field-Responsive Hemicellulose Hydrogels for Drug Delivery. Biomacromolecules, 2015, 16, 2522-2528.	5.4	150
133	Redox-responsive polymeric membranes via supermolecular hostâ€“guest interactions. Journal of Membrane Science, 2015, 480, 139-152.	8.2	10
134	Post-crosslinking towards stimuli-responsive sodium alginate beads for the removal of dye and heavy metals. Carbohydrate Polymers, 2015, 133, 587-595.	10.2	130
135	One-pot cross-linked copolymerization for the construction of robust antifouling and antibacterial composite membranes. Journal of Materials Chemistry B, 2015, 3, 4170-4180.	5.8	49
136	Robust, highly elastic and bioactive heparin-mimetic hydrogels. Polymer Chemistry, 2015, 6, 7893-7901.	3.9	24
137	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.	5.2	30
138	Improved antifouling properties and blood compatibility of 3-methacryloxypropyl trimethoxysilane â€“ based zwitterionic copolymer modified composite membranes via in situ post-crosslinking copolymerization. RSC Advances, 2015, 5, 23229-23238.	3.6	8
139	Versatile and Rapid Postfunctionalization from Cyclodextrin Modified Host Polymeric Membrane Substrate. Langmuir, 2015, 31, 9665-9674.	3.5	53
140	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, 26050-26062.	8.0	81
141	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.	5.8	58
142	Excellent biocompatible polymeric membranes prepared via layerâ€byâ€layer selfâ€assembly. Journal of Applied Polymer Science, 2015, 132, .	2.6	11
143	Zwitterionic glycosyl modified polyethersulfone membranes with enhanced anti-fouling property and blood compatibility. Journal of Colloid and Interface Science, 2015, 443, 36-44.	9.4	51
144	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.	8.2	70

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145	Antifouling and bloodâ€compatible poly(ether sulfone) membranes modified by zwitterionic copolymers via In situ crosslinked copolymerization. Journal of Applied Polymer Science, 2015, 132, .	2.6	12
146	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.	8.2	142
147	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	23
148	Catechol Chemistry Inspired Approach to Construct Self-Cross-Linked Polymer Nanolayers as Versatile Biointerfaces. Langmuir, 2014, 30, 14905-14915.	3.5	54
149	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.	5.4	77
150	Poly(ether sulfone) membranes with photo-responsive permeability. Journal of Membrane Science, 2014, 455, 357-367.	8.2	24
151	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.	5.8	162
152	Heparin-Mimicking Multilayer Coating on Polymeric Membrane via LbL Assembly of Cyclodextrin-Based Supramolecules. ACS Applied Materials & Interfaces, 2014, 6, 21603-21614.	8.0	75
153	Surface-engineered nanogel assemblies with integrated blood compatibility, cell proliferation and antibacterial property: towards multifunctional biomedical membranes. Polymer Chemistry, 2014, 5, 5906-5919.	3.9	73
154	Self-assembled 3D biocompatible and bioactive layer at the macro-interface via graphene-based supermolecules. Polymer Chemistry, 2014, 5, 3563.	3.9	55
155	Graphene oxide interpenetrated polymeric composite hydrogels as highly effective adsorbents for water treatment. RSC Advances, 2014, 4, 42346-42357.	3.6	48
156	Facile chemical modification of polysulfone membrane with improved hydrophilicity and blood compatibility. Materials Letters, 2014, 137, 192-195.	2.6	24
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158	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.	9.4	70
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