Li Ren

List of Publications by Citations

172 papers	4,878 citations	39 h-index	60 g-index
177 ext. papers	5,675 ext. citations	5.7 avg, IF	5.7 L-index

#	Paper	IF	Citations
172	Fingolimod for the treatment of intracerebral hemorrhage: a 2-arm proof-of-concept study. *JAMA Neurology*, **2014**, 71, 1092-101	17.2	185
171	Impact of an immune modulator fingolimod on acute ischemic stroke. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 18315-20	11.5	175
170	Synovium-derived mesenchymal stem cells: a new cell source for musculoskeletal regeneration. *Tissue Engineering - Part B: Reviews*, **2009**, 15, 75-86	7.9	174
169	The Antibacterial Applications of Graphene and Its Derivatives. *Small*, **2016**, 12, 4165-84	11	136
168	Fabrication and thermal properties of microPCMs: Used melamine-formaldehyde resin as shell material. *Journal of Applied Polymer Science*, **2006**, 101, 1522-1528	2.9	131
167	Enhancing alendronate release from a novel PLGA/hydroxyapatite microspheric system for bone repairing applications. *Pharmaceutical Research*, **2009**, 26, 422-30	4.5	126
166	Synthesis of polyurethane microPCMs containing n-octadecane by interfacial polycondensation: Influence of styrene-maleic anhydride as a surfactant. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 299, 268-275	5.1	106
165	Novel mesoporous silica-based antibiotic releasing scaffold for bone repair. *Acta Biomaterialia*, **2009**, 5, 1697-707	10.8	96
164	High internal phase emulsions stabilised by supramolecular cellulose nanocrystals and their application as cell-adhesive macroporous hydrogel monoliths. *Journal of Materials Chemistry B*, **2017**, 5, 2671-2678	7.3	91
163	PHBV microspheres--PLGA matrix composite scaffold for bone tissue engineering. *Biomaterials*, **2010**, 31, 4278-85	15.6	88
162	Preparation and characterization of double-MF shell microPCMs used in building materials. *Journal of Applied Polymer Science*, **2005**, 97, 1755-1762	2.9	88
161	Preparation and characterization of polyurethane microcapsules containing n-octadecane with styrene-maleic anhydride as a surfactant by interfacial polycondensation. *Journal of Applied Polymer Science*, **2006**, 102, 4996-5006	2.9	87
160	In-vitro osteogenesis of synovium stem cells induced by controlled release of bisphosphate additives from microspherical mesoporous silica composite. *Biomaterials*, **2009**, 30, 3996-4005	15.6	77
159	Preparation and mechanical properties of thermal energy storage microcapsules. *Colloid and Polymer Science*, **2005**, 284, 224-228	2.4	75
158	Copper-Catalyzed Click Reaction on/in Live Cells. *Chemical Science*, **2017**, 8, 2107-2114	9.4	74
157	Graphene oxide/PVA inorganic/organic interpenetrating hydrogels with excellent mechanical properties and biocompatibility. *Carbon*, **2017**, 111, 18-27	10.4	74
156	Progress in self-healing hydrogels assembled by host-guest interactions: preparation and biomedical applications. *Journal of Materials Chemistry B*, **2019**, 7, 1637-1651	7.3	62

155	High compact melamine-formaldehyde microPCMs containing n-octadecane fabricated by a two-step coacervation method. *Colloid and Polymer Science*, **2007**, 285, 1581-1591	2.4	62
154	Mitochondria- and Lysosomes-Targeted Synergistic Chemo-Photodynamic Therapy Associated with Self-Monitoring by Dual Light-Up Fluorescence. *Advanced Functional Materials*, **2018**, 28, 1804362	15.6	62
153	Crosslinked collagen-gelatin-hyaluronic acid biomimetic film for cornea tissue engineering applications. *Materials Science and Engineering C*, **2013**, 33, 196-201	8.3	58
152	Aggregation-Induced Emission Probe for Study of the Bactericidal Mechanism of Antimicrobial Peptides. *ACS Applied Materials & Interfaces*, **2018**, 10, 11436-11442	9.5	56
151	Microsphere-based drug releasing scaffolds for inducing osteogenesis of human mesenchymal stem cells in vitro. *European Journal of Pharmaceutical Sciences*, **2010**, 39, 59-67	5.1	56
150	In vitro engineered cartilage using synovium-derived mesenchymal stem cells with injectable gellan hydrogels. *Acta Biomaterialia*, **2010**, 6, 1178-85	10.8	56
149	Symmetrically Substituted Xanthone Amphiphiles Combat Gram-Positive Bacterial Resistance with Enhanced Membrane Selectivity. *Journal of Medicinal Chemistry*, **2017**, 60, 1362-1378	8.3	55
148	SMES Based Excitation System for Doubly-Fed Induction Generator in Wind Power Application. *IEEE Transactions on Applied Superconductivity*, **2011**, 21, 1105-1108	1.8	53
147	Detection of Sub-fM DNA with Target Recycling and Self-Assembly Amplification on Graphene Field-Effect Biosensors. *Nano Letters*, **2018**, 18, 3509-3515	11.5	53
146	Improving the mechanical properties of collagen-based membranes using silk fibroin for corneal tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 1159-68	5.4	49
145	Semisynthetic Flavone-Derived Antimicrobials with Therapeutic Potential against Methicillin-Resistant Staphylococcus aureus (MRSA). *Journal of Medicinal Chemistry*, **2017**, 60, 6152-6165	8.3	48
144	Self-Healing Hydrogels of Low Molecular Weight Poly(vinyl alcohol) Assembled by Host-Guest Recognition. *Biomacromolecules*, **2018**, 19, 626-632	6.9	48
143	Preparation and characterization of a novel tobramycin-containing antibacterial collagen film for corneal tissue engineering. *Acta Biomaterialia*, **2014**, 10, 289-99	10.8	47
142	Stability, antimicrobial activity, and cytotoxicity of poly(amidoamine) dendrimers on titanium substrates. *ACS Applied Materials & Interfaces*, **2011**, 3, 2885-94	9.5	46
141	Aggregation-Induced Emission Probe for Light-Up and in Situ Detection of Calcium Ions at High Concentration. *ACS Applied Materials & Interfaces*, **2018**, 10, 14410-14417	9.5	44
140	A protein/antibiotic releasing poly(lactic-co-glycolic acid)/lecithin scaffold for bone repair applications. *International Journal of Pharmaceutics*, **2009**, 373, 85-92	6.5	42
139	A novel PHBV/HA microsphere releasing system loaded with alendronate. *Materials Science and Engineering C*, **2009**, 29, 2221-2225	8.3	42
138	Mechanical properties and thermal stability of double-shell thermal-energy-storage microcapsules. *Journal of Applied Polymer Science*, **2007**, 103, 1295-1302	2.9	42

137	Synthesis and Properties of Sepiolite/poly (acrylic acid-co-acrylamide) Nanocomposites. *Polymer Bulletin*, **2005**, 55, 419-428	2.4	42
136	The promotion of antimicrobial activity on silicon substrates using a "click" immobilized short peptide. *Chemical Communications*, **2014**, 50, 975-7	5.8	40
135	Porous poly (lactic-co-glycolide) microsphere sintered scaffolds for tissue repair applications. *Materials Science and Engineering C*, **2009**, 29, 2502-2507	8.3	40
134	SMES Based Dynamic Voltage Restorer for Voltage Fluctuations Compensation. *IEEE Transactions on Applied Superconductivity*, **2010**, 20, 1360-1364	1.8	39
133	Photografting polymerization of polyacrylamide on PHBV films (I). *Journal of Applied Polymer Science*, **2007**, 104, 4088-4095	2.9	38
132	Immobilization of an antimicrobial peptide on silicon surface with stable activity by click chemistry. *Journal of Materials Chemistry B*, **2018**, 6, 68-74	7.3	38
131	Hierarchical and reversible assembly of graphene oxide/polyvinyl alcohol hybrid stabilized Pickering emulsions and their templating for macroporous composite hydrogels. *Carbon*, **2017**, 111, 38-47	10.4	37
130	Aggregation-Induced Emission Active Probe for Light-Up Detection of Anionic Surfactants and Wash-Free Bacterial Imaging. *Chemistry - A European Journal*, **2016**, 22, 5107-12	4.8	36
129	Surface engineering of PHBV by covalent collagen immobilization to improve cell compatibility. *Journal of Biomedical Materials Research - Part A*, **2009**, 88, 616-27	5.4	36
128	Supramolecular and dynamic covalent hydrogel scaffolds: from gelation chemistry to enhanced cell retention and cartilage regeneration. *Journal of Materials Chemistry B*, **2019**, 7, 6705-6736	7.3	34
127	Superhydrophobic hierarchical fiber/bead composite membranes for efficient treatment of burns. *Acta Biomaterialia*, **2019**, 92, 60-70	10.8	33
126	TiO and PEEK Reinforced 3D Printing PMMA Composite Resin for Dental Denture Base Applications. *Nanomaterials*, **2019**, 9,	5.4	33
125	Crystalline Bilayer Graphene with Preferential Stacking from Ni-Cu Gradient Alloy. *ACS Nano*, **2018**, 12, 2275-2282	16.7	32
124	The influence of electro-acupuncture on neural plasticity in acute cerebral infarction. *Neurological Research*, **2008**, 30, 985-9	2.7	32
123	Collagen based film with well epithelial and stromal regeneration as corneal repair materials: Improving mechanical property by crosslinking with citric acid. *Materials Science and Engineering C*, **2015**, 55, 201-8	8.3	31
122	Scalable Production of Sensor Arrays Based on High-Mobility Hybrid Graphene Field Effect Transistors. *ACS Applied Materials & Interfaces*, **2016**, 8, 27546-27552	9.5	31
121	A Study of 3D-Printable Reinforced Composite Resin: PMMA Modified with Silver Nanoparticles Loaded Cellulose Nanocrystal. *Materials*, **2018**, 11,	3.5	31
120	Weak Hydrogen Bonds Lead to Self-Healable and Bioadhesive Hybrid Polymeric Hydrogels with Mineralization-Active Functions. *Biomacromolecules*, **2018**, 19, 1939-1949	6.9	30

119	Graphene Oxide Hybrid Supramolecular Hydrogels with Self-Healable, Bioadhesive and Stimuli-Responsive Properties and Drug Delivery Application. *Macromolecular Materials and Engineering*, **2018**, 303, 1700660	3.9	30
118	Preparation and characterization of PVA-PEEK/PVA-□TCP bilayered hydrogels for articular cartilage tissue repair. *Composites Science and Technology*, **2016**, 128, 58-64	8.6	29
117	Biocompatibility of Si-incorporated TiO2 film prepared by micro-arc oxidation. *Materials Letters*, **2014**, 116, 35-38	3.3	29
116	Autophagy-mediated clearance of ubiquitinated mutant huntingtin by graphene oxide. *Nanoscale*, **2016**, 8, 18740-18750	7.7	29
115	Long-Term Tracking of the Osteogenic Differentiation of Mouse BMSCs by Aggregation-Induced Emission Nanoparticles. *ACS Applied Materials & Interfaces*, **2016**, 8, 17878-84	9.5	29
114	Antimicrobial Hyaluronic Acid/Poly(amidoamine) Dendrimer Multilayer on Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) Prepared by a Layer-by-Layer Self-Assembly Method. *ACS Applied Materials & Interfaces*, **2015**, 7, 13876-81	9.5	28
113	"Click" immobilization of a VEGF-mimetic peptide on decellularized endothelial extracellular matrix to enhance angiogenesis. *ACS Applied Materials & Interfaces*, **2014**, 6, 8401-6	9.5	28
112	Study on Quenching Characteristics and Resistance Equivalent Estimation Method of Second-Generation High Temperature Superconducting Tape under Different Overcurrent. *Materials*, **2019**, 12,	3.5	27
111	Surface characterization of polyethylene terephthalate films treated by ammonia low-temperature plasma. *Applied Surface Science*, **2012**, 258, 7207-7212	6.7	27
110	Collagen films with suitable physical properties and biocompatibility for corneal tissue engineering prepared by ion leaching technique. *Materials Letters*, **2012**, 87, 1-4	3.3	26
109	In vivo and in vitro osteogenesis of stem cells induced by controlled release of drugs from microspherical scaffolds. *Journal of Materials Chemistry*, **2010**, 20, 9140		26
108	"Bitter-Sweet" Polymeric Micelles Formed by Block Copolymers from Glucosamine and Cholic Acid. *Biomacromolecules*, **2017**, 18, 778-786	6.9	25
107	Glucosamine-modified polyethylene glycol hydrogel-mediated chondrogenic differentiation of human mesenchymal stem cells. *Materials Science and Engineering C*, **2017**, 79, 661-670	8.3	25
106	Quadruple hydrogen bonds and thermo-triggered hydrophobic interactions generate dynamic hydrogels to modulate transplanted cell retention. *Biomaterials Science*, **2019**, 7, 1286-1298	7.4	25
105	Fabrication and characterization of chitosan-collagen crosslinked membranes for corneal tissue engineering. *Journal of Biomaterials Science, Polymer Edition*, **2014**, 25, 1962-72	3.5	25
104	In vitro osteogenesis of synovium mesenchymal cells induced by controlled release of alendronate and dexamethasone from a sintered microspherical scaffold. *Journal of Biomaterials Science, Polymer Edition*, **2010**, 21, 1227-38	3.5	25
103	Effect of water state and polymer chain motion on the mechanical properties of a bacterial cellulose and polyvinyl alcohol (BC/PVA) hydrogel. *RSC Advances*, **2015**, 5, 25525-25531	3.7	24
102	Prevalence of and Risk Factors for Cognitive Impairment Among Elderly Without Cardio- and Cerebrovascular Diseases: A Population-Based Study in Rural China. *Frontiers in Aging Neuroscience*, **2018**, 10, 62	5.3	22

101	Semisynthesis and Biological Evaluation of Xanthone Amphiphilics as Selective, Highly Potent Antifungal Agents to Combat Fungal Resistance. *Journal of Medicinal Chemistry*, **2017**, 60, 10135-10150	8.3	22
100	The mouse autonomic nervous system modulates inflammation and epithelial renewal after corneal abrasion through the activation of distinct local macrophages. *Mucosal Immunology*, **2018**, 11, 1496-1511	9.2	21
99	Self-assembly of nanohydroxyapatite in mesoporous silica. *Journal of Materials Science: Materials in Medicine*, **2008**, 19, 2933-40	4.5	21
98	Temperature-Controlled Reversible Exposure and Hiding of Antimicrobial Peptides on an Implant for Killing Bacteria at Room Temperature and Improving Biocompatibility in Vivo. *ACS Applied Materials & Interfaces*, **2018**, 10, 35830-35837	9.5	21
97	Functionalization of composite bacterial cellulose with C nanoparticles for wound dressing and cancer therapy.. *RSC Advances*, **2018**, 8, 18197-18203	3.7	21
96	Integrated design method for superconducting magnetic energy storage considering the high frequency pulse width modulation pulse voltage on magnet. *Applied Energy*, **2019**, 248, 1-17	10.7	20
95	Modifying graphene oxide with short peptide via click chemistry for biomedical applications. *Applied Materials Today*, **2016**, 5, 111-117	6.6	20
94	An intelligent material for tissue reconstruction: The piezoelectric property of polycaprolactone/barium titanate composites. *Materials Letters*, **2019**, 236, 686-689	3.3	20
93	Antimicrobial colloidal hydrogels assembled by graphene oxide and thermo-sensitive nanogels for cell encapsulation. *Journal of Colloid and Interface Science*, **2018**, 513, 314-323	9.3	20
92	Sorafenib-loaded polymeric micelles as passive targeting therapeutic agents for hepatocellular carcinoma therapy. *Nanomedicine*, **2018**, 13, 1009-1023	5.6	19
91	Argon Plasma-Induced Graft Polymerization of PEGMA on Chitosan Membrane Surface for Cell Adhesion Improvement. *Plasma Science and Technology*, **2013**, 15, 1041-1046	1.5	19
90	Preparation of an antimicrobial surface by direct assembly of antimicrobial peptide with its surface binding activity. *Journal of Materials Chemistry B*, **2017**, 5, 2407-2415	7.3	18
89	Soft template method to synthesize polyaniline microtubes doped with methyl orange. *Polymer Bulletin*, **2009**, 63, 15-21	2.4	18
88	Microstructure and properties of polycaprolactone/calcium sulfate particle and whisker composites. *Polymer Composites*, **2012**, 33, 501-508	3	17
87	Surface modification on polyethylene terephthalate films with 2-methacryloyloxyethyl phosphorylcholine. *Materials Science and Engineering C*, **2013**, 33, 3041-6	8.3	17
86	A study on the performance of hyaluronic acid immobilized chitosan film. *Biomedical Materials (Bristol)*, **2009**, 4, 035009	3.5	17
85	Surface characterization of the chitosan membrane after oxygen plasma treatment and its aging effect. *Biomedical Materials (Bristol)*, **2009**, 4, 035003	3.5	17
84	AIE-Based Theranostic Probe for Sequential Imaging and Killing of Bacteria and Cancer Cells. *Advanced Optical Materials*, **2020**, 8, 1902191	8.1	16

83	Improvement of Uveal and Capsular Biocompatibility of Hydrophobic Acrylic Intraocular Lens by Surface Grafting with 2-Methacryloyloxyethyl Phosphorylcholine-Methacrylic Acid Copolymer. *Scientific Reports*, **2017**, 7, 40462	4.9	15
82	Collagen-based materials combined with microRNA for repairing cornea wounds and inhibiting scar formation. *Biomaterials Science*, **2018**, 7, 51-62	7.4	15
81	Improving the moisturizing properties of collagen film by surface grafting of chondroitin sulfate for corneal tissue engineering. *Journal of Biomaterials Science, Polymer Edition*, **2016**, 27, 758-72	3.5	15
80	Engineering topography: Effects on corneal cell behavior and integration into corneal tissue engineering. *Bioactive Materials*, **2019**, 4, 293-302	16.7	15
79	Dielectric spectroscopy of biodegradable poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) films. *European Polymer Journal*, **2012**, 48, 79-85	5.2	15
78	Chondrogenesis of synovium-derived mesenchymal stem cells in photopolymerizing hydrogel scaffolds. *Journal of Biomaterials Science, Polymer Edition*, **2010**, 21, 1653-67	3.5	15
77	Surface modification of PHBV scaffolds via UV polymerization to improve hydrophilicity. *Journal of Biomaterials Science, Polymer Edition*, **2010**, 21, 1589-602	3.5	15
76	Surface modification of PHBV films with different functional groups: Thermal properties and in vitro degradation. *Journal of Applied Polymer Science*, **2010**, 118, 390-398	2.9	15
75	Biomimetic cartilage-lubricating polymers regenerate cartilage in rats with early osteoarthritis. *Nature Biomedical Engineering*, **2021**, 5, 1189-1201	19	15
74	Status Evaluation Method for SMES Used in Power Grid. *IEEE Transactions on Applied Superconductivity*, **2015**, 25, 1-10	1.8	14
73	Collagen-Hydroxypropyl Methylcellulose Membranes for Corneal Regeneration. *ACS Omega*, **2018**, 3, 1269-1275	3.9	14
72	A novel hydrophilic poly(lactide-co-glycolide)/lecithin hybrid microspheres sintered scaffold for bone repair. *Journal of Biomedical Materials Research - Part A*, **2010**, 92, 963-72	5.4	14
71	Heterogeneous carbon/N-doped reduced graphene oxide wrapping LiMn0.8Fe0.2PO4 composite for higher performance of lithium ion batteries. *Applied Surface Science*, **2019**, 476, 513-520	6.7	14
70	AIE luminogen-functionalised mesoporous silica nanoparticles as nanotheranostic agents for imaging guided synergetic chemo-/photothermal therapy. *Inorganic Chemistry Frontiers*, **2017**, 4, 833-839	6.8	13
69	Surface modification of fluorosilicone acrylate RGP contact lens via low-temperature argon plasma. *Applied Surface Science*, **2008**, 255, 483-485	6.7	13
68	Novel □TCP/PVA bilayered hydrogels with considerable physical and bio-functional properties for osteochondral repair. *Biomedical Materials (Bristol)*, **2017**, 13, 015012	3.5	13
67	DR□-MOG-35-55 treatment reduces lesion volumes and improves neurological deficits after traumatic brain injury. *Metabolic Brain Disease*, **2017**, 32, 1395-1402	3.9	12
66	Spindle LiFePO4 particles as cathode of lithium-ion batteries synthesized by solvothermal method with glucose as auxiliary reductant. *Rare Metals*, **2015**, 34, 731-737	5.5	12

65	Cyclodextrin polyrotaxane monoaldehyde: a novel bio-crosslinker with high biocompatibility. *RSC Advances*, **2014**, 4, 18608-18611	3.7	12
64	Temperature Characteristic of a Conduction-Cooled HTS SMES Magnet. *IEEE Transactions on Applied Superconductivity*, **2009**, 19, 2044-2047	1.8	12
63	Poly(lactide-co-glycolide)/titania composite microsphere-sintered scaffolds for bone tissue engineering applications. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2010**, 93, 84-92	3.5	12
62	Photografting polymerization of polyacrylamide on poly(3-hydroxybutyrate-co-3-hydroxyvalerate) films. II. Wettability and crystallization behaviors of poly(3-hydroxybutyrate-co-3-hydroxyvalerate)-graft-polyacrylamide films. *Journal of Applied Polymer Science*, **2008**, 107, 3765-3772	2.9	12
61	Iron-assisted carbon coating strategy for improved electrochemical LiMn0.8Fe0.2PO4 cathodes. *Electrochimica Acta*, **2016**, 212, 800-807	6.7	12
60	Corneal regeneration by utilizing collagen based materials. *Science China Chemistry*, **2016**, 59, 1548-1553	7.9	11
59	Synthesis and characterization of glucosamine modified poly(ethylene glycol) hydrogels via photopolymerization. *Journal of Applied Polymer Science*, **2013**, 128, 89-96	2.9	11
58	Thermal degradation of the polyimide synthesized from 4,4?-(hexafluoroisopropylidene) diphthalic dianhydride and 4,4?-diaminodiphenylmethane. *Journal of Applied Polymer Science*, **2004**, 91, 2295-2301	2.9	11
57	Controlling the Integration of Polyvinylpyrrolidone onto Substrate by Quartz Crystal Microbalance with Dissipation To Achieve Excellent Protein Resistance and Detoxification. *ACS Applied Materials & Interfaces*, **2016**, 8, 18684-92	9.5	11
56	Carboxylic acid-functionalized TiO2 nanoparticle-loaded PMMA/PEEK copolymer matrix as a dental resin for 3D complete denture manufacturing by stereolitographic technique. *International Journal of Food Properties*, **2018**, 21, 2557-2565	3	11
55	Correlation between hypertension and common carotid artery intima-media thickness in rural China: a population-based study. *Journal of Human Hypertension*, **2018**, 32, 548-554	2.6	10
54	Collagen membranes crosslinked by cyclodextrin polyrotaxane monoaldehyde with good biocompatibilities and repair capabilities for cornea repair. *RSC Advances*, **2017**, 7, 28865-28875	3.7	10
53	Dielectric behaviors of PHBHHxBaTiO3 multifunctional composite films. *Composites Science and Technology*, **2012**, 72, 370-375	8.6	10
52	Mechanistic Insights and Rational Design of a Versatile Surface with Cells/Bacteria Recognition Capability via Orientated Fusion Peptides. *Advanced Science*, **2019**, 6, 1801827	13.6	9
51	Crosslinking of collagen using a controlled molecular weight bio-crosslinker: cyclodextrin polyrotaxane multi-aldehydes. *RSC Advances*, **2015**, 5, 46088-46094	3.7	9
50	A novel collagen film with micro-rough surface structure for corneal epithelial repair fabricated by freeze drying technique. *Applied Surface Science*, **2014**, 301, 396-400	6.7	9
49	Green synthesis by diethylene glycol based solution process and characterization of SnS nanoparticles. *Crystal Research and Technology*, **2012**, 47, 461-466	1.3	9
48	Construction and Evaluation of Collagen-Based Corneal Grafts Using Polycaprolactone To Improve Tension Stress. *ACS Omega*, **2020**, 5, 674-682	3.9	9

47	Preparation of collagen/cellulose nanocrystals composite films and their potential applications in corneal repair. *Journal of Materials Science: Materials in Medicine*, **2020**, 31, 55	4.5	8
46	Influence of DC conductivity of PPy anode on Li/PPy secondary batteries. *Journal of Applied Polymer Science*, **2008**, 109, 3458-3460	2.9	8
45	Visualizing phase transition of upper critical solution temperature (UCST) polymers with AIE. *Science China Chemistry*, **2021**, 64, 403-407	7.9	8
44	Thermoresponsive Self-Assembled β-Cyclodextrin-Modified Surface for Blood Purification. *ACS Biomaterials Science and Engineering*, **2017**, 3, 1083-1091	5.5	7
43	To prepare the collagen-based artificial cornea with improved mechanical and biological property by ultraviolet-A/riboflavin crosslinking. *Journal of Applied Polymer Science*, **2017**, 134, 45226	2.9	7
42	Mechanical and Optical Properties of Reinforced Collagen Membranes for Corneal Regeneration through Polyrotaxane Cross-Linking.. *ACS Applied Bio Materials*, **2019**, 2, 3861-3869	4.1	7
41	AIE-Active and Thermoresponsive Alternating Polyurethanes of Bile Acid and PEG for Cell Imaging. *ACS Applied Polymer Materials*, **2019**, 1, 2973-2980	4.3	7
40	An evaluation method for small-scale conduction cooled SMES cryogenic cooling system based on thermal analysis. *Cryogenics*, **2015**, 71, 30-38	1.8	7
39	One-pot quaternization of dual-responsive poly(vinyl alcohol) with AIEgens for pH-switchable imaging and killing of bacteria. *Materials Chemistry Frontiers*, **2020**, 4, 2635-2645	7.8	7
38	Biowheel-Axle Assembly of β-Cyclodextrin Fitted onto Bile Acid Units Linked by PEG Spacers through Inclusion Polymerization. *Macromolecules*, **2018**, 51, 8455-8460	5.5	7
37	A novel antibacterial cellulose based biomaterial for hernia mesh applications. *RSC Advances*, **2017**, 7, 11601-11607	3.7	6
36	Microgrooved collagen-based corneal scaffold for promoting collective cell migration and antifibrosis.. *RSC Advances*, **2019**, 9, 29463-29473	3.7	6
35	An antibacterial collagen membrane crosslinked by the inclusion complex of β-cyclodextrin dialdehyde and ofloxacin for bacterial keratitis.. *RSC Advances*, **2018**, 8, 18153-18162	3.7	6
34	Air-In-Water Emulsion Solely Stabilized by Gelatin Methacryloyl and Templating for Macroporous Nanocomposite Hydrogels. *Macromolecular Chemistry and Physics*, **2019**, 220, 1800500	2.6	5
33	Comparative degradation study of surface-modified polyacrylamide/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) membranes. *Polymer Science - Series B*, **2015**, 57, 538-546	0.8	5
32	Local co-delivery and release of antimicrobial peptide and RGD using porous TiO2. *RSC Advances*, **2014**, 4, 27630-27633	3.7	5
31	Oxygen plasma modified P(3HB-4HB) used as anticoagulant materials. *Applied Surface Science*, **2013**, 280, 564-571	6.7	5
30	Biological protein-resistance layer construction of recombinant hirudin on polymethyl methacrylate IOL surface. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 878-86	5.4	5

29	Bioactive surface modification on amide-photografted poly(3-hydroxybutyrate-co-3-hydroxyvalerate). *Biomedical Materials (Bristol)*, **2011**, 6, 025007	3.5	5
28	Effects of monomer addition sequences on the properties of silicon-containing copolyimides. *Polymer International*, **2005**, 54, 1097-1101	3.3	5
27	Responsive Polypseudorotaxane Hydrogels Triggered by a Compatible Stimulus of CO2. *Macromolecular Chemistry and Physics*, **2019**, 220, 1900071	2.6	4
26	Construct Scaffold-like delivery system with poly (lactic-co-glycolic) microspheres on micro-arc oxidation titanium. *Applied Surface Science*, **2013**, 266, 81-88	6.7	4
25	A novel glucosamine derivative with low cytotoxicity enhances chondrogenic differentiation of ATDC5. *Journal of Materials Science: Materials in Medicine*, **2017**, 28, 170	4.5	3
24	Glycopolymers Made from Polyrotaxanes Terminated with Bile Acids: Preparation, Self-Assembly, and Targeting Delivery. *Macromolecular Bioscience*, **2019**, 19, e1800478	5.5	3
23	-Cyclodextrins Polyrotaxane Loading Silver Sulfadiazine. *Polymers*, **2018**, 10,	4.5	3
22	Preparation and characterization of bottle-brush polymer via host-guest self-assembly between -cyclodextrin and adamantane. *Polymer International*, **2014**, 63, 1930-1935	3.3	3
21	Effect of electroacupuncture on the expression of Nav1.1 in rat after acute cerebral ischemia. *Neurological Research*, **2010**, 32, 763-9	2.7	3
20	Surface Hydrophilicity Improvement of RGP Contact Lens Material by Oxygen Plasma Treatment. *Materials Science Forum*, **2009**, 610-613, 1268-1272	0.4	3
19	Synthesis of nonlinear optical fluorinated polyimide/inorganic composites for photonic devices. *Transactions of Nonferrous Metals Society of China*, **2006**, 16, s154-s158	3.3	3
18	Effects of addition orders on the properties of fluorine-containing copolyimides. *Journal of Applied Polymer Science*, **2000**, 77, 3252-3258	2.9	3
17	Polymyxin B engineered polystyrene-divinylbenzene microspheres for the adsorption of bilirubin and endotoxin.. *RSC Advances*, **2021**, 11, 39978-39984	3.7	3
16	Determinants of Developing Stroke Among Low-Income, Rural Residents: A 27-Year Population-Based, Prospective Cohort Study in Northern China. *Frontiers in Neurology*, **2019**, 10, 57	4.1	3
15	Analysis of Overcurrent Performance of YBCO Tape Considering Different Heat Exchange Conductions. *IEEE Transactions on Applied Superconductivity*, **2021**, 1-1	1.8	3
14	Photo-crosslinked GelMA/collagen membrane loaded with lysozyme as an antibacterial corneal implant. *International Journal of Biological Macromolecules*, **2021**, 191, 1006-1016	7.9	3
13	Controllable polyvinylpyrrolidone modified Polystyrene divinylbenzene for efficient adsorption of bilirubin and improvement of hemocompatibility. *European Polymer Journal*, **2022**, 170, 111172	5.2	3
12	Effects of cholic acid modified glucosamine on chondrogenic differentiation. *RSC Advances*, **2016**, 6, 69586-69594	3.9	2

List of Publications

11	Fabrication and characterization of a PAM modified PHBV/BG scaffold. *Science Bulletin*, **2009**, 54, 2940-2946		2
10	Study on Energy Storage Magnet State Assessment Method Considering Temperature Rise. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-11	1.8	2
9	A Simplified 2D Modeling Method for Electromagnetic Analysis of HTS Power Transmission Cable Spiraled With Coated Conductors. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-6	1.8	2
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