

Yakai Feng

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183
papers

4,477
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196
ext. papers

5,166
ext. citations

5.8
avg. IF

5.67
L-index

#	Paper	IF	Citations
183	Surface modification and endothelialization of biomaterials as potential scaffolds for vascular tissue engineering applications. <i>Chemical Society Reviews</i> , 2015 , 44, 5680-742	58.5	324
182	Biodegradable, amorphous copolyester-urethane networks having shape-memory properties. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1188-92	16.4	212
181	Controlling the switching temperature of biodegradable, amorphous, shape-memory poly(rac-lactide)urethane networks by incorporation of different comonomers. <i>Biomacromolecules</i> , 2009 , 10, 975-82	6.9	105
180	Copolymer Networks Based on Poly(ϵ -pentadecalactone) and Poly(γ -caprolactone) Segments as a Versatile Triple-Shape Polymer System. <i>Advanced Functional Materials</i> , 2010 , 20, 3583-3594	15.6	105
179	Design and development of polysaccharide hemostatic materials and their hemostatic mechanism. <i>Biomaterials Science</i> , 2017 , 5, 2357-2368	7.4	103
178	Biodegradable multiblock copolymers based on oligodepsipeptides with shape-memory properties. <i>Macromolecular Bioscience</i> , 2009 , 9, 45-54	5.5	100
177	Shape-memory capability of binary multiblock copolymer blends with hard and switching domains provided by different components. <i>Soft Matter</i> , 2009 , 5, 676-684	3.6	100
176	Co-electrospun blends of PU and PEG as potential biocompatible scaffolds for small-diameter vascular tissue engineering. <i>Materials Science and Engineering C</i> , 2012 , 32, 2306-2315	8.3	95
175	Biodegradable polydepsipeptides. <i>International Journal of Molecular Sciences</i> , 2009 , 10, 589-615	6.3	81
174	Hemocompatible surface of electrospun nanofibrous scaffolds by ATRP modification. <i>Materials Science and Engineering C</i> , 2013 , 33, 3644-51	8.3	62
173	Fabrication of PU/PEGMA crosslinked hybrid scaffolds by in situ UV photopolymerization favoring human endothelial cells growth for vascular tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 1499-510	4.5	62
172	Progress in depsipeptide-based biomaterials. <i>Macromolecular Bioscience</i> , 2010 , 10, 1008-21	5.5	62
171	Surface tailoring for selective endothelialization and platelet inhibition via a combination of SI-ATRP and click chemistry using Cys-Ala-Gly-peptide. <i>Acta Biomaterialia</i> , 2015 , 20, 69-81	10.8	61
170	Novel interpenetrating networks with shape-memory properties. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 768-775	2.5	59
169	CREDVW-Linked Polymeric Micelles As a Targeting Gene Transfer Vector for Selective Transfection and Proliferation of Endothelial Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12128-40	9.5	51
168	Lipase-catalyzed ring-opening polymerization of morpholine-2,5-dione derivatives: A novel route to the synthesis of poly(ester amide)s. <i>Macromolecular Chemistry and Physics</i> , 2000 , 201, 2670-2675	2.6	51
167	Grafting of phosphorylcholine functional groups on polycarbonate urethane surface for resisting platelet adhesion. <i>Materials Science and Engineering C</i> , 2013 , 33, 2871-8	8.3	50

166	Hydrophilic PCU scaffolds prepared by grafting PEGMA and immobilizing gelatin to enhance cell adhesion and proliferation. <i>Materials Science and Engineering C</i> , 2015 , 50, 201-9	8.3	50
165	Strategies for enhancing thermal conductivity of polymer-based thermal interface materials: a review. <i>Journal of Materials Science</i> , 2021 , 56, 1064-1086	4.3	50
164	Regulation of the endothelialization by human vascular endothelial cells by ZNF580 gene complexed with biodegradable microparticles. <i>Biomaterials</i> , 2014 , 35, 7133-45	15.6	49
163	Electrospun hemocompatible PU/gelatin-heparin nanofibrous bilayer scaffolds as potential artificial blood vessels. <i>Macromolecular Research</i> , 2012 , 20, 347-350	1.9	45
162	Enzyme-catalyzed ring-opening polymerization of 3(S)-isopropylmorpholine-2,5-dione. <i>Macromolecular Rapid Communications</i> , 1999 , 20, 88-90	4.8	45
161	Tannic Acid Cross-linked Polysaccharide-Based Multifunctional Hemostatic Microparticles for the Regulation of Rapid Wound Healing. <i>Macromolecular Bioscience</i> , 2018 , 18, e1800209	5.5	43
160	Synthesis, Aggregation-Induced Emission, and Liquid Crystalline Structure of TetraphenylethyleneSurfactant Complex via Ionic Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 27577-27586	3.8	41
159	Proliferation and migration of human vascular endothelial cells mediated by ZNF580 gene complexed with mPEG-b-P(MMD-co-GA)-g-PEI microparticles. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1825-1837	7.3	41
158	CAGW Peptide- and PEG-Modified Gene Carrier for Selective Gene Delivery and Promotion of Angiogenesis in HUVECs in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4485-4497	9.5	40
157	Multifunctional Gene Carriers with Enhanced Specific Penetration and Nucleus Accumulation to Promote Neovascularization of HUVECs in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35613-35627	9.5	40
156	REDV Peptide Conjugated Nanoparticles/pZNF580 Complexes for Actively Targeting Human Vascular Endothelial Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20389-99	9.5	40
155	Grafting of poly(ethylene glycol) monoacrylates on polycarbonateurethane by UV initiated polymerization for improving hemocompatibility. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 61-70	4.5	40
154	Nanoparticles complexed with gene vectors to promote proliferation of human vascular endothelial cells. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1225-35	10.1	40
153	Fabrication and characterization of electrospun gelatin-heparin nanofibers as vascular tissue engineering. <i>Macromolecular Research</i> , 2013 , 21, 860-869	1.9	40
152	Fabricating antimicrobial peptide-immobilized starch sponges for hemorrhage control and antibacterial treatment. <i>Carbohydrate Polymers</i> , 2019 , 222, 115012	10.3	38
151	Targeting REDV peptide functionalized polycationic gene carrier for enhancing the transfection and migration capability of human endothelial cells. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3379-3391	7.3	38
150	Synthesis and characterization of poly(carbonate urethane) networks with shape-memory properties. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 473-478	2.9	38
149	Immobilized bioactive agents onto polyurethane surface with heparin and phosphorylcholine group. <i>Macromolecular Research</i> , 2013 , 21, 541-549	1.9	37

148	Polysaccharide-Based Lotus Seedpod Surface-Like Porous Microsphere with Precise and Controllable Micromorphology for Ultrarapid Hemostasis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46558-46571	9.5	36
147	Grafting of poly(ethylene glycol) monoacrylate onto polycarbonateurethane surfaces by ultraviolet radiation grafting polymerization to control hydrophilicity. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 3717-3727	2.9	35
146	Lipase catalyzed copolymerization of 3(S)-isopropylmorpholine-2,5-dione and D,L-lactide. <i>Macromolecular Bioscience</i> , 2004 , 4, 587-90	5.5	35
145	Peptide-immobilized starch/PEG sponge with rapid shape recovery and dual-function for both uncontrolled and noncompressible hemorrhage. <i>Acta Biomaterialia</i> , 2019 , 99, 220-235	10.8	33
144	Self-Assembly of Polyethylenimine-Modified Biodegradable Complex Micelles as Gene Transfer Vector for Proliferation of Endothelial Cells. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 2463-2472	2.6	33
143	Mixed micelles obtained by co-assembling comb-like and grafting copolymers as gene carriers for efficient gene delivery and expression in endothelial cells. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1673-1687	7.3	32
142	Bioreducible, hydrolytically degradable and targeting polymers for gene delivery. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3253-3276	7.3	32
141	Functionalization of polycarbonate surfaces by grafting PEG and zwitterionic polymers with a multicomponent structure. <i>Macromolecular Bioscience</i> , 2013 , 13, 1681-8	5.5	32
140	Synthesis, crystal structure, enhanced photoluminescence properties and fluoride detection ability of S-heterocyclic annulated perylene diimide-polyhedral oligosilsesquioxane dye. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2566-2576	7.1	30
139	PLGA/SF blend scaffolds modified with plasmid complexes for enhancing proliferation of endothelial cells. <i>Reactive and Functional Polymers</i> , 2015 , 91-92, 19-27	4.6	29
138	Lipase-catalyzed ring-opening polymerization of 3(S)-isopropylmorpholine-2,5-dione. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 1506-1514	2.6	29
137	Antimicrobial surfaces grafted random copolymers with REDV peptide beneficial for endothelialization. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 7682-7697	7.3	28
136	Biodegradable PEI modified complex micelles as gene carriers with tunable gene transfection efficiency for ECs. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 997-1008	7.3	28
135	Modification of polycarbonateurethane surface with poly (ethylene glycol) monoacrylate and phosphorylcholine glyceraldehyde for anti-platelet adhesion. <i>Frontiers of Chemical Science and Engineering</i> , 2014 , 8, 188-196	4.5	26
134	Study on oxidative degradation behaviors of polyesterurethane network. <i>Polymer Degradation and Stability</i> , 2006 , 91, 1711-1716	4.7	26
133	Biofunctionalized Electrospun PCL-PIBMD/SF Vascular Grafts with PEG and Cell-Adhesive Peptides for Endothelialization. <i>Macromolecular Bioscience</i> , 2019 , 19, e1800386	5.5	26
132	Star-shaped copolymer grafted PEI and REDV as a gene carrier to improve migration of endothelial cells. <i>Biomaterials Science</i> , 2017 , 5, 511-522	7.4	25
131	Co-immobilization of ACH antithrombotic peptide and CAG cell-adhesive peptide onto vascular grafts for improved hemocompatibility and endothelialization. <i>Acta Biomaterialia</i> , 2019 , 97, 344-359	10.8	25

130	Electrospun scaffolds of silk fibroin and poly(lactide-co-glycolide) for endothelial cell growth. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 5386	4.5	25
129	Lipase-catalyzed ring-opening polymerization of 6(S)-methyl-morpholine-2,5-dione. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 3030-3039	2.5	25
128	Comb-shaped polymer grafted with REDV peptide, PEG and PEI as targeting gene carrier for selective transfection of human endothelial cells. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1408-1422	7.3	24
127	Polysaccharide Based Hemostatic Strategy for Ultrarapid Hemostasis. <i>Macromolecular Bioscience</i> , 2020 , 20, e1900370	5.5	24
126	REDV-polyethyleneimine complexes for selectively enhancing gene delivery in endothelial cells. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3365-3376	7.3	24
125	Synthesis of an adhesion-enhancing polysiloxane containing epoxy groups for addition-cure silicone light emitting diodes encapsulant. <i>Polymers for Advanced Technologies</i> , 2014 , 25, 927-933	3.2	24
124	Biomimetic design of amphiphilic polycations and surface grafting onto polycarbonate urethane film as effective antibacterial agents with controlled hemocompatibility. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 3166-3176	2.5	24
123	Hemocompatible polyurethane/gelatin-heparin nanofibrous scaffolds formed by a bi-layer electrospinning technique as potential artificial blood vessels. <i>Frontiers of Chemical Science and Engineering</i> , 2011 , 5, 392-400	4.5	24
122	Red-blood-cell-mimetic gene delivery systems for long circulation and high transfection efficiency in ECs. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5975-5985	7.3	24
121	Oligohistidine and targeting peptide functionalized TAT-NLS for enhancing cellular uptake and promoting angiogenesis in vivo. <i>Journal of Nanobiotechnology</i> , 2018 , 16, 29	9.4	23
120	Preparation and Performance of Phenyl-Vinyl-POSS/Addition-Type Curable Silicone Rubber Hybrid Material. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014 , 51, 639-645	2.2	22
119	Hydrophilic/hydrophobic AB diblock copolymers containing poly(trimethylene carbonate) and poly(ethylene oxide) blocks. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 4819-4827	2.5	22
118	Biodegradable depsipeptide P(DO)PEG-based block copolymer micelles as nanocarriers for controlled release of doxorubicin. <i>Reactive and Functional Polymers</i> , 2014 , 82, 89-97	4.6	21
117	Multi-targeting peptides for gene carriers with high transfection efficiency. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 8035-8051	7.3	21
116	Electrospun Poly(lactide-co-glycolide-co-3()-methyl-morpholine-2,5-dione) Nanofibrous Scaffolds for Tissue Engineering. <i>Polymers</i> , 2016 , 8,	4.5	21
115	CAGW Peptide Modified Biodegradable Cationic Copolymer for Effective Gene Delivery. <i>Polymers</i> , 2017 , 9,	4.5	20
114	Electrospun PCL-PIBMD/SF blend scaffolds with plasmid complexes for endothelial cell proliferation. <i>RSC Advances</i> , 2017 , 7, 39452-39464	3.7	20
113	Construction of hemocompatible polycarbonate urethane with sulfoammonium zwitterionic polyethylene glycol. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 1084-1091	2.9	20

112	Surface modification of biomaterials by photochemical immobilization and photograft polymerization to improve hemocompatibility. <i>Frontiers of Chemical Engineering in China</i> , 2010 , 4, 372-381	20
111	Lipase-Catalyzed Ring-Opening Polymerization of 3(S)-sec-Butylmorpholine-2,5-dione. <i>Macromolecular Bioscience</i> , 2001 , 1, 66-74	5.5 20
110	Synthesis and characterization of new ABA triblock copolymers with poly[3(S)-isobutylmorpholine-2,5-dione] and poly(ethylene oxide) blocks. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 2276-2283	2.6 20
109	Multitargeting Gene Delivery Systems for Enhancing the Transfection of Endothelial Cells. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1926-1931	4.8 20
108	Multifunctional gene delivery systems with targeting ligand CAGW and charge reversal function for enhanced angiogenesis. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1906-1919	7.3 19
107	A progressively targeted gene delivery system with a pH triggered surface charge-switching ability to drive angiogenesis in vivo. <i>Biomaterials Science</i> , 2019 , 7, 2061-2075	7.4 19
106	Amphiphilic depsipeptide-based block copolymers as nanocarriers for controlled release of ibuprofen with doxorubicin. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 3213-3226	2.5 19
105	Synthesis of Poly[(lactic acid)-alt- or co-((S)-aspartic acid)] from (3S,6R,S)-3-[(Benzyloxycarbonyl)methyl]-6-methylmorpholine-2,5-dione. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 819-824	2.6 19
104	Multitargeting Peptide-Functionalized Star-Shaped Copolymers with Comblike Structure and a POSS-Core To Effectively Transfect Endothelial Cells. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2155-2168	5.5 18
103	Synthesis and Characterization of New Block Copolymers with Poly(ethylene oxide) and Poly[3(S)-sec-butylmorpholine-2,5-dione] Sequences. <i>Macromolecular Bioscience</i> , 2001 , 1, 30-39	5.5 18
102	Ligand targeting and peptide functionalized polymers as non-viral carriers for gene therapy. <i>Biomaterials Science</i> , 2019 , 8, 64-83	7.4 18
101	Surface Engineering of Cardiovascular Devices for Improved Hemocompatibility and Rapid Endothelialization. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000920	10.1 18
100	Fabrication of Siloxane Hybrid Material With High Adhesion and High Refractive Index for Light Emitting Diodes (LEDs) Encapsulation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014 , 51, 653-658	2.2 17
99	Surface Modification of Polycarbonate Urethane with Zwitterionic Polynorbornene via Thiol-ene Click-Reaction to Facilitate Cell Growth and Proliferation. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 802-809	3.9 17
98	Manipulation of polycarbonate urethane bulk properties via incorporated zwitterionic polynorbornene for tissue engineering applications. <i>RSC Advances</i> , 2015 , 5, 11284-11292	3.7 17
97	Biodegradable block copolymers with poly(ethylene oxide) and poly(glycolic acid-valine) blocks. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 2916-2919	2.9 17
96	Fabricating poly(vinyl alcohol)/gelatin composite sponges with high absorbency and water-triggered expansion for noncompressible hemorrhage and wound healing. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 1568-1582	7.3 17
95	A PEG-b-poly(disulfide-l-lysine) based redox-responsive cationic polymer for efficient gene transfection. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1893-1905	7.3 16

94	POSS-cored and peptide functionalized ternary gene delivery systems with enhanced endosomal escape ability for efficient intracellular delivery of plasmid DNA. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4251-4263	7.3	16
93	Poly(lactide-co-glycolide) grafted hyaluronic acid-based electrospun fibrous hemostatic fragments as a sustainable anti-infection and immunoregulation material. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4997-5010	7.3	16
92	A potential nonthrombogenic small-diameter vascular scaffold with polyurethane/poly(ethylene glycol) hybrid materials by electrospinning technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 1578-82	1.3	16
91	The Influence of Zwitterionic Phospholipid Brushes Grafted via UV-Initiated or SI-ATR Polymerization on the Hemocompatibility of Polycarbonateurethane. <i>Macromolecular Symposia</i> , 2011 , 309-310, 6-15	0.8	16
90	Alternating copolymerizations of styrene derivatives and carbon monoxide in the presence of a palladium (II) catalyst. <i>Journal of Polymer Science Part A</i> , 1997 , 35, 1283-1291	2.5	16
89	Biodegradable polyesterurethanes with shape-memory properties for dexamethasone and aspirin controlled release. <i>Journal of Controlled Release</i> , 2011 , 152 Suppl 1, e21-3	11.7	15
88	Controlled heparin release from electrospun gelatin fibers. <i>Journal of Controlled Release</i> , 2011 , 152 Suppl 1, e28-9	11.7	15
87	Matrix-Metalloproteinase-Responsive Gene Delivery Surface for Enhanced in Situ Endothelialization. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40121-40132	9.5	15
86	Hydrophobic associated polymer grafted onto nanosilica as a multi-functional fluid loss agent for oil well cement under ultrahigh temperature. <i>RSC Advances</i> , 2016 , 6, 91728-91740	3.7	15
85	Genipin crosslinked microspheres as an effective hemostatic agent. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2632-2642	3.2	14
84	Controlled release of doxorubicin from amphiphilic depsipeptide P(DO)BEG-based copolymer nanosized microspheres. <i>Reactive and Functional Polymers</i> , 2013 , 73, 1281-1289	4.6	14
83	Core/Shell Gene Carriers with Different Lengths of PLGA Chains to Transfect Endothelial Cells. <i>Langmuir</i> , 2017 , 33, 13315-13325	4	14
82	Permeate Flux Curve Characteristics Analysis of Cross-Flow Vacuum Membrane Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 487-494	3.9	14
81	Electrospinning of polycarbonate urethane biomaterials. <i>Frontiers of Chemical Science and Engineering</i> , 2011 , 5, 11-18	4.5	14
80	Delivery of benzoylecgonine using biodegradable nanoparticles to suppress inflammation via regulating NF- κ B signaling. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 191, 110980	6	13
79	Drug release from biodegradable polyesterurethanes with shape-memory effect. <i>Journal of Controlled Release</i> , 2011 , 152 Suppl 1, e20-1	11.7	13
78	Polymeric nano-carriers for on-demand delivery of genes specific responses to stimuli. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 9621-9641	7.3	13
77	Evaluation of Electrospun PCL-PIBMD Meshes Modified with Plasmid Complexes and. <i>Polymers</i> , 2016 , 8,	4.5	13

76	High refractive index adamantane-based silicone resins for the encapsulation of light-emitting diodes. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2245-2252	3.2	13
75	Hydrophobic associated copolymer as a wide temperature range synthetic cement retarder and its effect on cement hydration. <i>Journal of Applied Polymer Science</i> , 2017 , 134, e45242	2.9	12
74	Ionic Self-Assembled Derivative of Tetraphenylethylene: Synthesis, Enhanced Solid-State Emission, Liquid-Crystalline Structure, and Cu Detection Ability. <i>ChemPhysChem</i> , 2017 , 18, 3605-3613	3.2	12
73	From single to a dual-gene delivery nanosystem: coordinated expression matters for boosting the neovascularization in vivo. <i>Biomaterials Science</i> , 2020 , 8, 2318-2328	7.4	12
72	Biodegradable carrier/gene complexes to mediate the transfection and proliferation of human vascular endothelial cells. <i>Polymers for Advanced Technologies</i> , 2015 , 26, 1370-1377	3.2	12
71	Biomimetic surface modification of polycarbonateurethane film via phosphorylcholine-graft for resisting platelet adhesion. <i>Macromolecular Research</i> , 2012 , 20, 1063-1069	1.9	12
70	Biological evaluation of degradable, stimuli-sensitive multiblock copolymers having polydeipeptide- and poly(ϵ -caprolactone) segments in vitro. <i>Clinical Hemorheology and Microcirculation</i> , 2011 , 48, 161-72	2.5	12
69	Self-adhesive epoxy modified silicone materials for light emitting diode encapsulation. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 1473-1479	3.2	11
68	Design of polycationic micelles by self-assembly of polyethyleneimine functionalized oligo[(ϵ -caprolactone)-co-glycolide] ABA block copolymers. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 1278-1284	3.2	11
67	Agmatine-grafted bio-reducible poly(L-lysine) for gene delivery with low cytotoxicity and high efficiency. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2418-2430	7.3	11
66	W Modified Polymeric Micelles with Different Hydrophobic Cores for Efficient Gene Delivery and Capillary-like Tube Formation. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2870-2878	5.5	11
65	Synthesis and characterization of novel copolymers based on 3(S)-methyl-morpholine-2,5-dione. <i>Transactions of Tianjin University</i> , 2012 , 18, 315-319	2.9	11
64	Fabrication and characterization of electrospun biocompatible PU/PEGMA hybrid nanofibers by in-situ UV photopolymerization. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012 , 55, 1189-1193	3.6	11
63	Synthesis and characterization of hydrophilic polyester-PEO networks with shape-memory properties. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 2430-2438	3.2	11
62	Synthesis of polyketone catalyzed by Pd/C catalyst. <i>Journal of Molecular Catalysis A</i> , 2009 , 307, 121-127		11
61	Construction of Hemocompatible and Histocompatible Surface by Grafting Antithrombotic Peptide ACH and Hydrophilic PEG. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2846-2857	5.5	10
60	Multifunctional Gene Carriers Labeled by Perylene Diimide Derivative as Fluorescent Probe for Tracking Gene Delivery. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800916	4.8	10
59	Synthesis and characterization of degraded gelatin grafted poly(ϵ -caprolactone) copolymers. <i>Transactions of Tianjin University</i> , 2013 , 19, 182-187	2.9	10

58	Grafting of a novel phosphorylcholine-containing vinyl monomer onto poly-carbonateurethane surfaces by ultraviolet radiation grafting polymerization. <i>Macromolecular Research</i> , 2012 , 20, 693-702	1.9	10
57	Polycarbonateurethane films containing complex of copper(II) catalyzed generation of nitric oxide. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 1712-1721	2.9	10
56	Calcium Alcoholates of Hydroxytelechelic Poly(ethylene oxide)s as Initiators for the Ring-Opening Polymerization of 3-(S)-Isopropylmorpholine-2,5-dione. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 3120-3125	2.6	10
55	Co-self-assembly of cationic microparticles to deliver pEGFP-ZNF580 for promoting the transfection and migration of endothelial cells. <i>International Journal of Nanomedicine</i> , 2017 , 12, 137-149 ^{7.3}		10
54	Development of Ca-based, ion-responsive superabsorbent hydrogel for cement applications: Self-healing and compressive strength. <i>Journal of Colloid and Interface Science</i> , 2019 , 538, 397-403	9.3	10
53	A "self-accelerating endosomal escape" siRNA delivery nanosystem for significantly suppressing hyperplasia via blocking the ERK2 pathway. <i>Biomaterials Science</i> , 2019 , 7, 3307-3319	7.4	9
52	Multifunctional REDV-G-TAT-G-NLS-Cys peptide sequence conjugated gene carriers to enhance gene transfection efficiency in endothelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 184, 110510 ⁶		8
51	Synthesis, helical columnar liquid crystalline structure, and charge transporting property of perylene diimide derivative bearing oligosiloxane chains. <i>Dyes and Pigments</i> , 2018 , 152, 139-145	4.6	8
50	Surface modification of polycarbonate urethane by covalent linkage of heparin with a PEG spacer. <i>Transactions of Tianjin University</i> , 2013 , 19, 58-65	2.9	8
49	Synthesis and characterization of biodegradable, amorphous, soft IPNs with shape-memory effect. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 382-388	3.2	8
48	Degradable depsipeptide-based multiblock copolymers with polyester or polyetherester segments. <i>International Journal of Artificial Organs</i> , 2011 , 34, 103-9	1.9	8
47	Cascaded bio-responsive delivery of eNOS gene and ZNF gene to collaboratively treat hindlimb ischemia via pro-angiogenesis and anti-inflammation. <i>Biomaterials Science</i> , 2020 , 8, 6545-6560	7.4	8
46	Cyclopropenium Nanoparticles and Gene Transfection in Cells. <i>Pharmaceutics</i> , 2020 , 12,	6.4	8
45	Biodegradable Polymers for Medical Applications. <i>International Journal of Polymer Science</i> , 2016 , 2016, 1-2	2.4	8
44	Synthesis of Well-Defined Dihydroxy Telechelics by (Co)polymerization of Morpholine-2,5-Diones Catalyzed by Sn(IV) Alkoxide. <i>Macromolecular Bioscience</i> , 2018 , 18, e1800257	5.5	8
43	A Controlled CO release and pro-angiogenic gene dually engineered stimulus-responsive nanoplatform for collaborative ischemia therapy. <i>Chemical Engineering Journal</i> , 2021 , 424, 130430	14.7	8
42	Preparation of ZrO ₂ /silicone hybrid materials for LED encapsulation via in situ sol-gel reaction. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 1818-1824	3.2	7
41	Zwitterionic copolymer for controlling fluid loss in Oilwell cementing: Preparation, characterization, and working mechanism. <i>Polymer Engineering and Science</i> , 2017 , 57, 78-88	2.3	7

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