

Jianshu Li

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.

167 papers	6,070 citations	38 h-index	72 g-index
179 ext. papers	7,170 ext. citations	7.9 avg, IF	6.06 L-index

#	Paper	IF	Citations
167	Recent advances of zwitterionic-based topological polymers for biomedical applications.. <i>Journal of Materials Chemistry B</i> , 2022 ,	7.3	2
166	A removable photothermal antibacterial warm paste target for cariogenic bacteria. <i>Chemical Engineering Journal</i> , 2022 , 429, 132491	14.7	7
165	An Instant, Repeatable and Universal Supramolecular Adhesive Based on Natural Small Molecules for Dry/Wet Environments. <i>Chemical Engineering Journal</i> , 2022 , 442, 136206	14.7	1
164	Polypeptide coatings on biominerals with superior antimicrobial and antifouling properties inspired by human salivary proteins. <i>Applied Materials Today</i> , 2022 , 27, 101446	6.6	
163	Poly(lactic acid) film surface functionalized by zwitterionic poly[2-(methacryloyloxy)ethyl choline phosphate] with improved biocompatibility.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 214, 112461	6	0
162	Barnacle-Inspired robust and aesthetic Janus patch with instinctive wet adhesive for oral ulcer treatment. <i>Chemical Engineering Journal</i> , 2022 , 444, 136580	14.7	1
161	Advances in biomineralization-inspired materials for hard tissue repair. <i>International Journal of Oral Science</i> , 2021 , 13, 42	27.9	8
160	Multifunctional Biomedical Materials Derived from Biological Membranes. <i>Advanced Materials</i> , 2021 , e2107406	24	3
159	A Stable Cell Membrane-Based Coating with Antibiofouling and Macrophage Immunoregulatory Properties for Implants at the Macroscopic Level. <i>Chemistry of Materials</i> , 2021 , 33, 7994-8006	9.6	4
158	Influence of microcapsule parameters and initiator concentration on the self-healing capacity of resin-based dental composites. <i>Dental Materials</i> , 2021 , 37, 403-412	5.7	2
157	Recent Advances in Injectable Dual Crosslinking Hydrogels for Biomedical Applications. <i>Macromolecular Bioscience</i> , 2021 , 21, e2100109	5.5	8
156	Biomineral interface with superior cell adhesive and antibacterial properties based on enzyme-triggered digestion of saliva acquired pellicle-inspired polypeptide coatings. <i>Chemical Engineering Journal</i> , 2021 , 415, 128955	14.7	7
155	Electrically facilitated mineralization of osteoblasts and polypyrrole micro-bowl coatings for promotion of the osteogenic activity. <i>Colloids and Interface Science Communications</i> , 2021 , 43, 100450	5.4	2
154	Direct Current Stimulation for Improved Osteogenesis of MC3T3 Cells Using Mineralized Conductive Polyaniline. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 852-861	5.5	4
153	Fabrication of fluorescent hybrid nanomaterials based on carbon dots and its applications for improving the selective detection of Fe (III) in different matrices and cellular imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 246, 119033	4.4	6
152	Supramolecular nanoassemblies of salmon calcitonin and aspartame for fibrillation inhibition and osteogenesis improvement. <i>International Journal of Pharmaceutics</i> , 2021 , 593, 120171	6.5	1
151	Fabrication of multi-functional carbon dots based on "one stone, three birds" strategy and their applications for the dual-mode Fe detection, effective promotion on cell proliferation and treatment on ferric toxicosis. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 767-782	7.3	5

150	Polyvinyl alcohol/chitosan composite hydrogels with sustained release of traditional Tibetan medicine for promoting chronic diabetic wound healing. <i>Biomaterials Science</i> , 2021 , 9, 3821-3829	7.4	7
149	A mussel-bioinspired multi-functional hyperbranched polymeric coating with integrated antibacterial and antifouling activities for implant interface modification. <i>Polymer Chemistry</i> , 2021 , 12, 3413-3426	4.9	4
148	Mussel-inspired self-assembly engineered implant coatings for synergistic anti-infection and osteogenesis acceleration. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 8501-8511	7.3	2
147	Gellan gum/alginate-based Ca-enriched acellular bilayer hydrogel with robust interface bonding for effective osteochondral repair. <i>Carbohydrate Polymers</i> , 2021 , 270, 118382	10.3	12
146	Spatiotemporally controlled calcitonin delivery: Long-term and targeted therapy of skeletal diseases. <i>Journal of Controlled Release</i> , 2021 , 338, 486-504	11.7	2
145	Zwitterionic PMCP-functionalized titanium surface resists protein adsorption, promotes cell adhesion, and enhances osteogenic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 206, 111928	6	5
144	Heterogenous hydrogel mimicking the osteochondral ECM applied to tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 8646-8658	7.3	3
143	Functional biomedical materials derived from proteins in the acquired salivary pellicle. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 6507-6520	7.3	0
142	Self-Organized Spatiotemporal Mineralization of Hydrogel: A Simulant of Osteon.. <i>Small</i> , 2021 , e21066491	11.1	0
141	Injectable hydrogels based on gellan gum promotes in situ mineralization and potential osteogenesis. <i>European Polymer Journal</i> , 2020 , 141, 110091	5.2	3
140	Thermosensitive Polysaccharide Hydrogel As a Versatile Platform for Prolonged Salmon Calcitonin Release and Calcium Regulation. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4077-4086	5.5	2
139	Crosslinking Induced Reassembly of Multiblock Polymers: Addressing the Dilemma of Stability and Responsivity. <i>Advanced Science</i> , 2020 , 7, 1902701	13.6	11
138	A natural polymer based bioadhesive with self-healing behavior and improved antibacterial properties. <i>Biomaterials Science</i> , 2020 , 8, 4346-4357	7.4	19
137	pH-Responsive Antibacterial Resin Adhesives for Secondary Caries Inhibition. <i>Journal of Dental Research</i> , 2020 , 99, 1368-1376	8.1	9
136	Programmed antibacterial and mineralization therapy for dental caries based on zinc-substituted hydroxyapatite/ alendronate-grafted polyacrylic acid hybrid material. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 194, 111206	6	8
135	The synergistic effect of hierarchical structure and alkyl chain length on the antifouling and bactericidal properties of cationic/zwitterionic block polymer brushes. <i>Biomaterials Science</i> , 2020 , 8, 6890-6902	7.4	12
134	Zwitterionic choline phosphate functionalized chitosan with antibacterial property and superior water solubility. <i>European Polymer Journal</i> , 2020 , 134, 109821	5.2	11
133	Hyaluronic acid bioinspired polymers for the regulation of cell chondrogenic and osteogenic differentiation. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 1011-1020	7.9	3

132	From kPa to MPa: An Environmentally Friendly Way to Prepare a Polysaccharide Hydrogel with Tunable Mechanical Properties. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4829-4834	3.9	3
131	Natural protein bioinspired materials for regeneration of hard tissues. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2199-2215	7.3	21
130	Fabrication of a multifunctional hydrogel with a robust interface bioinspired by the structure of the dentogingival junction. <i>Chemical Communications</i> , 2020 , 56, 3633-3636	5.8	4
129	A Highly Stretchable, Real-Time Self-Healable Hydrogel Adhesive Matrix for Tissue Patches and Flexible Electronics. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901423	10.1	38
128	Sulfonated glycosaminoglycan bioinspired carbon dots for effective cellular labelling and promotion of the differentiation of mesenchymal stem cells. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5655-5666	7.3	10
127	A thermo-sensitive injectable hydroxypropyl chitin hydrogel for sustained salmon calcitonin release with enhanced osteogenesis and hypocalcemic effects. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 270-281	7.3	25
126	Bioinspired by cell membranes: functional polymeric materials for biomedical applications. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 750-774	7.8	25
125	Biomineralization and osteogenic differentiation modulated by substrate stiffness. <i>European Polymer Journal</i> , 2020 , 122, 109395	5.2	6
124	Poly[2-(methacryloyloxy)ethyl choline phosphate] functionalized polylactic acid film with improved degradation resistance both in vitro and in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 185, 110630	6	7
123	Two-in-one strategy: a remineralizing and anti-adhesive coating against demineralized enamel. <i>International Journal of Oral Science</i> , 2020 , 12, 27	27.9	6
122	Biomimetic synthesis of chondroitin sulfate-analogue hydrogels for regulating osteogenic and chondrogenic differentiation of bone marrow mesenchymal stem cells. <i>Materials Science and Engineering C</i> , 2020 , 117, 111368	8.3	5
121	Fabrication of Double-Network Hydrogels with Universal Adhesion and Superior Extensibility and Cytocompatibility by One-Pot Method. <i>Biomacromolecules</i> , 2020 , 21, 4699-4708	6.9	12
120	A facile strategy to construct silk fibroin based GTR membranes with appropriate mechanical performance and enhanced osteogenic capacity. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 10407-10415	7.3	5
119	Bioinspired by both mussel foot protein and bone sialoprotein: universal adhesive coatings for the promotion of mineralization and osteogenic differentiation. <i>Polymer Chemistry</i> , 2020 , 11, 4995-5004	4.9	2
118	Cell-Membrane-Targeted Drug Delivery System Based on Choline-Phosphate-Functionalized β -Cyclodextrin. <i>Macromolecular Bioscience</i> , 2020 , 20, e2000069	5.5	0
117	Sulfated alginate based complex for sustained calcitonin delivery and enhanced osteogenesis. <i>Biomedical Materials (Bristol)</i> , 2020 ,	3.5	1
116	Zwitterionic PMCP-Modified Polycaprolactone Surface for Tissue Engineering: Antifouling, Cell Adhesion Promotion, and Osteogenic Differentiation Properties. <i>Small</i> , 2019 , 15, e1903784	11	29
115	Promotion of the osteogenic activity of an antibacterial polyaniline coating by electrical stimulation. <i>Biomaterials Science</i> , 2019 , 7, 4730-4737	7.4	14

114	pH-Responsive polymeric nanocarriers for efficient killing of cariogenic bacteria in biofilms. <i>Biomaterials Science</i> , 2019 , 7, 1643-1651	7.4	30
113	Hexapeptide-conjugated calcitonin for targeted therapy of osteoporosis. <i>Journal of Controlled Release</i> , 2019 , 304, 39-50	11.7	14
112	Albumin-Modified Cationic Nanocarriers To Potentially Create a New Platform for Drug Delivery Systems. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16421-16429	9.5	13
111	Cp1-11 peptide/insulin complex loaded pH-responsive nanoparticles with enhanced oral bioactivity. <i>International Journal of Pharmaceutics</i> , 2019 , 562, 23-30	6.5	19
110	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
109	Bioinspired enamel-like oriented minerals on general surfaces: towards improved mechanical properties. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5237-5244	7.3	10
108	Advances in biomolecule inspired polymeric material decorated interfaces for biological applications. <i>Biomaterials Science</i> , 2019 , 7, 3984-3999	7.4	13
107	Hydrophobic recognition allows the glycosyltransferase UGT76G1 to catalyze its substrate in two orientations. <i>Nature Communications</i> , 2019 , 10, 3214	17.4	27
106	Recent advances in functional nanostructured materials for bone-related diseases. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 509-527	7.3	15
105	Pentapeptide-decorated silica nanoparticles loading salmon calcitonin for in vivo osteoporosis treatment with sustained hypocalcemic effect. <i>Materials Today Chemistry</i> , 2019 , 14, 100189	6.2	9
104	Bioinspired from mussel and salivary acquired pellicle: a universal dual-functional polypeptide coating for implant materials. <i>Materials Today Chemistry</i> , 2019 , 14, 100205	6.2	5
103	A Comparison of Functional Features in Chinese and US Mobile Apps for Diabetes Self-Management: A Systematic Search in App Stores and Content Analysis. <i>JMIR MHealth and UHealth</i> , 2019 , 7, e13971	5.5	9
102	Anti-biofilm surfaces from mixed dopamine-modified polymer brushes: synergistic role of cationic and zwitterionic chains to resist staphylococcus aureus. <i>Biomaterials Science</i> , 2019 , 7, 5369-5382	7.4	26
101	Bioinspired heptapeptides as functionalized mineralization inducers with enhanced hydroxyapatite affinity. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1984-1994	7.3	21
100	Simultaneous Improvement of Oxidative and Hydrolytic Resistance of Polycarbonate Urethanes Based on Polydimethylsiloxane/Poly(hexamethylene carbonate) Mixed Macrodiols. <i>Biomacromolecules</i> , 2018 , 19, 2137-2145	6.9	7
99	Multifunctional Biomaterial Coating Based on Bio-Inspired Polyphosphate and Lysozyme Supramolecular Nanofilm. <i>Biomacromolecules</i> , 2018 , 19, 1979-1989	6.9	16
98	8DSS peptide induced effective dentinal tubule occlusion in vitro. <i>Dental Materials</i> , 2018 , 34, 629-640	5.7	14
97	Antibacterial and Biocompatible Cross-Linked Waterborne Polyurethanes Containing Gemini Quaternary Ammonium Salts. <i>Biomacromolecules</i> , 2018 , 19, 279-287	6.9	60

96	Inhibition of the fibrillation of highly amyloidogenic human calcitonin by cucurbit[7]uril with improved bioactivity. <i>Acta Biomaterialia</i> , 2018 , 78, 178-188	10.8	18
95	A stimuli-responsive insulin delivery system based on reversible phenylboronate modified cyclodextrin with glucose triggered host-guest interaction. <i>International Journal of Pharmaceutics</i> , 2018 , 548, 649-658	6.5	17
94	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
93	Universal and biocompatible hydroxyapatite coating induced by phytic acid-metal complex multilayer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 169, 478-485	6	8
92	Understanding the effect of alkyl chains of gemini cations on the physicochemical and cellular properties of polyurethane micelles. <i>Biomaterials Science</i> , 2018 , 6, 1899-1907	7.4	10
91	A Universal and Ultrastable Mineralization Coating Bioinspired from Biofilms. <i>Advanced Functional Materials</i> , 2018 , 28, 1802730	15.6	24
90	Detecting the Formation and Transformation of Oligomers during Insulin Fibrillation by a Dendrimer Conjugated with Aggregation-Induced Emission Molecule. <i>Bioconjugate Chemistry</i> , 2017 , 28, 944-956	6.3	9
89	Supramolecular nanoparticles of calcitonin and dipeptide for long-term controlled release. <i>Journal of Controlled Release</i> , 2017 , 256, 182-192	11.7	22
88	Salivary acquired pellicle-inspired DpSpSEK peptide for the restoration of demineralized tooth enamel. <i>Biomedical Materials (Bristol)</i> , 2017 , 12, 025007	3.5	11
87	Preparation and antifouling properties of 2-(meth-acryloyloxy)ethyl cholinephosphate based polymers modified surface with different molecular architectures by ATRP. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 156, 87-94	6	15
86	Bioinspired from Salivary Acquired Pellicle: A Multifunctional Coating for Biominerals. <i>Chemistry of Materials</i> , 2017 , 29, 5663-5670	9.6	22
85	Thermoresponsive hydrogels based on a phosphorylated star-shaped copolymer: mimicking the extracellular matrix for in situ bone repair. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 428-434	7.3	17
84	Advances in polymeric materials for dental applications. <i>Polymer Chemistry</i> , 2017 , 8, 807-823	4.9	62
83	Advances in pH-Sensitive Polymers for Smart Insulin Delivery. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700413	4.8	50
82	Bioinspired Peptide-Decorated Tannic Acid for in Situ Remineralization of Tooth Enamel: In Vitro and in Vivo Evaluation. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 3553-3562	5.5	16
81	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
80	From molecules to macrostructures: recent development of bioinspired hard tissue repair. <i>Biomaterials Science</i> , 2017 , 5, 1435-1449	7.4	25
79	Tough adhesives for diverse wet surfaces. <i>Science</i> , 2017 , 357, 378-381	33.3	676

78	Multilayer Choline Phosphate Molecule Modified Surface with Enhanced Cell Adhesion but Resistance to Protein Adsorption. <i>Langmuir</i> , 2017 , 33, 8295-8301	4	18
77	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
76	Calcitonin-Loaded Thermosensitive Hydrogel for Long-Term Antiosteopenia Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23428-23440	9.5	48
75	Bio-inspired peptide decorated dendrimers for a robust antibacterial coating on hydroxyapatite. <i>Polymer Chemistry</i> , 2017 , 8, 4264-4279	4.9	24
74	Gemini quaternary ammonium salt waterborne biodegradable polyurethanes with antibacterial and biocompatible properties. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 361-368	7.8	30
73	The remineralization effectiveness of PAMAM dendrimer with different terminal groups on demineralized dentin in vitro. <i>RSC Advances</i> , 2017 , 7, 54947-54955	3.7	18
72	Effect and Stability of Poly(Amido Amine)-Induced Biomineralization on Dentinal Tubule Occlusion. <i>Materials</i> , 2017 , 10,	3.5	16
71	Well-defined reducible cationic nanogels based on functionalized low-molecular-weight PGMA for effective pDNA and siRNA delivery. <i>Acta Biomaterialia</i> , 2016 , 41, 282-92	10.8	32
70	Inspired by nonenveloped viruses escaping from endo-lysosomes: a pH-sensitive polyurethane micelle for effective intracellular trafficking. <i>Nanoscale</i> , 2016 , 8, 7711-22	7.7	20
69	Dual pH-responsive micelles with both charge-conversional property and hydrophobic/hydrophilic transition for effective cellular uptake and intracellular drug release. <i>Polymer Chemistry</i> , 2016 , 7, 2202-2208	4.8	21
68	Intelligent Drug Delivery System Based on Mesoporous Silica Nanoparticles Coated with an Ultra-pH-Sensitive Gatekeeper and Poly(ethylene glycol). <i>ACS Macro Letters</i> , 2016 , 5, 55-58	6.6	66
67	Hierarchical mesoporous silica nanoparticles for tailorable drug release. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 65-72	6.5	23
66	Effective in situ repair and bacteriostatic material of tooth enamel based on salivary acquired pellicle inspired oligomeric procyanidins. <i>Polymer Chemistry</i> , 2016 , 7, 6761-6769	4.9	13
65	Glucose-Responsive Micelles for Controlled Insulin Release Based on Transformation from Amphiphilic to Double Hydrophilic. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 5457-63	1.3	13
64	Synthesis and characterization of biodegradable lysine-based waterborne polyurethane for soft tissue engineering applications. <i>Biomaterials Science</i> , 2016 , 4, 1682-1690	7.4	36
63	Exenatide in obese or overweight patients without diabetes: A systematic review and meta-analyses of randomized controlled trials. <i>International Journal of Cardiology</i> , 2016 , 219, 293-300	3.2	12
62	Star polymers: Advances in biomedical applications. <i>Progress in Polymer Science</i> , 2015 , 46, 55-85	29.6	264
61	Substrate-anchored and degradation-sensitive anti-inflammatory coatings for implant materials. <i>Scientific Reports</i> , 2015 , 5, 11105	4.9	24

60	Choline phosphate functionalized surface: protein-resistant but cell-adhesive zwitterionic surface potential for tissue engineering. <i>Chemical Communications</i> , 2015 , 51, 487-90	5.8	51
59	Biomimetic mineralization of collagen fibrils induced by amine-terminated PAMAM dendrimers--PAMAM dendrimers for remineralization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015 , 26, 963-74	3.5	21
58	Effective dentin restorative material based on phosphate-terminated dendrimer as artificial protein. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 128, 304-314	6	34
57	A zwitterionic surface with general cell-adhesive and protein-resistant properties. <i>RSC Advances</i> , 2015 , 5, 76216-76220	3.7	19
56	Recent developments and applications of bioinspired dendritic polymers. <i>Polymer Chemistry</i> , 2015 , 6, 668-680	4.9	55
55	pH-sensitive nanocarriers for enhanced tumor retention and rapid intracellular drug release. <i>Journal of Controlled Release</i> , 2015 , 213, e111-2	11.7	3
54	Macroscopic Supramolecular Assembly to Fabricate 3D Ordered Structures: Towards Potential Tissue Scaffolds with Targeted Modification. <i>Advanced Functional Materials</i> , 2015 , 25, 6851-6857	15.6	41
53	Effects of interaction between a polycation and a nonionic polymer on their cross-assembly into mixed micelles. <i>Soft Matter</i> , 2015 , 11, 4197-207	3.6	13
52	Synthesis and antibacterial characterization of waterborne polyurethanes with gemini quaternary ammonium salt. <i>Science Bulletin</i> , 2015 , 60, 1114-1121	10.6	34
51	Glucose-responsive micelles for insulin release. <i>Journal of Controlled Release</i> , 2015 , 213, e122-3	11.7	10
50	8DSS-promoted remineralization of demineralized dentin in vitro. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6763-6772	7.3	26
49	Remineralization of Demineralized Dentin Induced by Amine-Terminated PAMAM Dendrimer. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 107-117	3.9	38
48	Cadmium sulfide nanoparticles with controllable morphology, photoluminescence and photocatalytic activity templated by worm-like dendronized poly(amido amine)s. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 450, 25-35	5.1	8
47	Effective dentinal tubule occlusion induced by polyhydroxy-terminated PAMAM dendrimer in vitro. <i>RSC Advances</i> , 2014 , 4, 43496-43503	3.7	26
46	Tumor-targeted aggregation of pH-sensitive nanocarriers for enhanced retention and rapid intracellular drug release. <i>Polymer Chemistry</i> , 2014 , 5, 5668	4.9	60
45	Self-reduction and morphology control of gold nanoparticles by dendronized poly(amido amine)s for photothermal therapy. <i>RSC Advances</i> , 2014 , 4, 44872-44878	3.7	6
44	Nanocarriers with dual pH-sensitivity for enhanced tumor cell uptake and rapid intracellular drug release. <i>RSC Advances</i> , 2014 , 4, 30780	3.7	23
43	Physiological pH-triggered morphological transition of amphiphilic block copolymer self-assembly. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	15

42	Phosphorylated dendronized poly(amido amine)s as protein analogues for directing hydroxylapatite biomineralization. <i>Chemical Communications</i> , 2014 , 50, 6491-3	5.8	29
41	Triclosan-loaded poly(amido amine) dendrimer for simultaneous treatment and remineralization of human dentine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 115, 237-43	6	39
40	Multifunctional hydrogels based on β -cyclodextrin with both biomineralization and anti-inflammatory properties. <i>Carbohydrate Polymers</i> , 2014 , 102, 869-76	10.3	22
39	Modulated regeneration of acid-etched human tooth enamel by a functionalized dendrimer that is an analog of amelogenin. <i>Acta Biomaterialia</i> , 2014 , 10, 4437-46	10.8	48
38	Doxorubicin loaded pH-responsive micelles capable of rapid intracellular drug release for potential tumor therapy. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 1480-9	4	39
37	Tumor-acidity activated surface charge-conversion of polymeric nanocarriers for enhanced cell adhesion and targeted drug release. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1679-84	4.8	39
36	Macroscopic supramolecular assembly of rigid building blocks through a flexible spacing coating. <i>Advanced Materials</i> , 2014 , 26, 3009-13	24	84
35	Controlled co-delivery nanocarriers based on mixed micelles formed from cyclodextrin-conjugated and cross-linked copolymers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 486-92	6	15
34	Controlled drug release system based on cyclodextrin-conjugated poly(lactic acid)-b-poly(ethylene glycol) micelles. <i>International Journal of Pharmaceutics</i> , 2013 , 443, 110-9	6.5	54
33	Regeneration of biomimetic hydroxyapatite on etched human enamel by anionic PAMAM template in vitro. <i>Archives of Oral Biology</i> , 2013 , 58, 975-80	2.8	56
32	Hydroxyapatite-anchored dendrimer for in situ remineralization of human tooth enamel. <i>Biomaterials</i> , 2013 , 34, 5036-47	15.6	123
31	Thermoresponsive hydrogels from phosphorylated ABA triblock copolymers: a potential scaffold for bone tissue engineering. <i>Biomacromolecules</i> , 2013 , 14, 2206-14	6.9	73
30	Calcium carbonate deposition on layer-by-layer systems assembled from star polymers. <i>Journal of Polymer Research</i> , 2013 , 20, 1	2.7	5
29	Staged self-assembly of PAMAM dendrimers into macroscopic aggregates with a microribbon structure similar to that of amelogenin. <i>Soft Matter</i> , 2013 , 9, 7553	3.6	22
28	Bioinspired intrafibrillar mineralization of human dentine by PAMAM dendrimer. <i>Biomaterials</i> , 2013 , 34, 6738-47	15.6	97
27	Synthesis and surface properties of polyurethane end-capped with hybrid hydrocarbon/fluorocarbon double-chain phospholipid. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 1362-72	5.4	13
26	The degradation and biocompatibility of pH-sensitive biodegradable polyurethanes for intracellular multifunctional antitumor drug delivery. <i>Biomaterials</i> , 2012 , 33, 2734-45	15.6	118
25	The influence of arrangement sequence on the glucose-responsive controlled release profiles of insulin-incorporated LbL films. <i>Acta Biomaterialia</i> , 2012 , 8, 4380-8	10.8	34

24	Super long-term glycemic control in diabetic rats by glucose-sensitive LbL films constructed of supramolecular insulin assembly. <i>Biomaterials</i> , 2012 , 33, 8733-42	15.6	64
23	Synthesis and antibacterial characterization of gemini surfactant monomers and copolymers. <i>Polymer Chemistry</i> , 2012 , 3, 907	4.9	35
22	A facile strategy to modulate the fluorescent properties of star polymers by varying the arm numbers. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	3
21	Modulated insulin release from glucose-sensitive multilayer films. <i>Journal of Controlled Release</i> , 2011 , 152 Suppl 1, e152-4	11.7	8
20	Drug release behaviors of a pH sensitive semi-interpenetrating polymer network hydrogel composed of poly(vinyl alcohol) and star poly[2-(dimethylamino)ethyl methacrylate]. <i>International Journal of Pharmaceutics</i> , 2011 , 416, 104-9	6.5	104
19	Controlled insulin release from glucose-sensitive self-assembled multilayer films based on 21-arm star polymer. <i>Biomaterials</i> , 2011 , 32, 1759-66	15.6	111
18	Effect of Molecular Weight and Arm Number on the Growth and pH-Dependent Morphology of Star Poly[2-(dimethylamino)ethyl methacrylate]/Poly(styrenesulfonate) Multilayer Films. <i>Macromolecules</i> , 2010 , 43, 9087-9093	5.5	35
17	Effective protection and controlled release of insulin by cationic beta-cyclodextrin polymers from alginate/chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , 2010 , 393, 212-8	6.5	162
16	A novel insulin oral delivery system assisted by cationic β -cyclodextrin polymers. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 1371-1379	2.9	30
15	Study of branched cationic beta-cyclodextrin polymer/indomethacin complex and its release profile from alginate hydrogel. <i>International Journal of Pharmaceutics</i> , 2010 , 386, 221-8	6.5	57
14	Effective syntheses of per-2,3-di- and per-3-O-chloroacetyl- β -cyclodextrins: A new kind of ATRP initiators for star polymers. <i>Tetrahedron Letters</i> , 2010 , 51, 2351-2353	2	19
13	21-Arm star polymers with different cationic groups based on cyclodextrin core for DNA delivery. <i>Carbohydrate Polymers</i> , 2010 , 79, 277-283	10.3	58
12	Protoplast Formation and Regeneration Conditions of <i>Streptomyces gilvosporeus</i> 2009 ,		1
11	Quaternary ammonium beta-cyclodextrin nanoparticles for enhancing doxorubicin permeability across the in vitro blood-brain barrier. <i>Biomacromolecules</i> , 2009 , 10, 505-16	6.9	90
10	Star-shaped cationic polymers by atom transfer radical polymerization from beta-cyclodextrin cores for nonviral gene delivery. <i>Biomacromolecules</i> , 2009 , 10, 285-93	6.9	177
9	Cyclodextrin-based supramolecular architectures: syntheses, structures, and applications for drug and gene delivery. <i>Advanced Drug Delivery Reviews</i> , 2008 , 60, 1000-17	18.5	672
8	Cationic Supramolecules Composed of Multiple Oligoethylenimine-Grafted β -Cyclodextrins Threaded on a Polymer Chain for Efficient Gene Delivery. <i>Advanced Materials</i> , 2006 , 18, 2969-2974	24	182
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4	Identification of in vivo pellicle constituents by analysis of serum immune responses. <i>Journal of Dental Research</i> , 2004 , 83, 60-4	8.1	33
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1	CoreShell Tecto(dendrimers): I. Synthesis and Characterization of Saturated Shell Models. <i>Advanced Materials</i> , 2000 , 12, 796-800	24	115