

# Doo Sung Lee

## List of Publications by Year in descending order

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242  
papers

16,714  
citations

13865

67  
h-index

18130

120  
g-index

246  
all docs

246  
docs citations

246  
times ranked

16644  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable block copolymers as injectable drug-delivery systems. <i>Nature</i> , 1997, 388, 860-862.	27.8	1,871
2	In situ gelling stimuli-sensitive block copolymer hydrogels for drug delivery. <i>Journal of Controlled Release</i> , 2008, 127, 189-207.	9.9	760
3	Injectable Biodegradable Hydrogels. <i>Macromolecular Bioscience</i> , 2010, 10, 563-579.	4.1	396
4	Highly cited research articles in <i>Journal of Controlled Release</i> : Commentaries and perspectives by authors. <i>Journal of Controlled Release</i> , 2014, 190, 29-74.	9.9	394
5	Long-Circulating Au-TiO <sub>2</sub> Nanocomposite as a Sonosensitizer for ROS-Mediated Eradication of Cancer. <i>Nano Letters</i> , 2016, 16, 6257-6264.	9.1	328
6	Gas foamed open porous biodegradable polymeric microspheres. <i>Biomaterials</i> , 2006, 27, 152-159.	11.4	319
7	Hypoxia-responsive polymeric nanoparticles for tumor-targeted drug delivery. <i>Biomaterials</i> , 2014, 35, 1735-1743.	11.4	296
8	Tumoral acidic extracellular pH targeting of pH-responsive MPEG-poly( $\beta$ -amino ester) block copolymer micelles for cancer therapy. <i>Journal of Controlled Release</i> , 2007, 123, 109-115.	9.9	281
9	Electrospun dual-porosity structure and biodegradation morphology of Montmorillonite reinforced PLLA nanocomposite scaffolds. <i>Biomaterials</i> , 2005, 26, 3165-3172.	11.4	273
10	In situ gelling pH- and temperature-sensitive biodegradable block copolymer hydrogels for drug delivery. <i>Journal of Controlled Release</i> , 2014, 193, 214-227.	9.9	270
11	Tumoral acidic pH-responsive MPEG-poly( $\beta$ -amino ester) polymeric micelles for cancer targeting therapy. <i>Journal of Controlled Release</i> , 2010, 144, 259-266.	9.9	263
12	Thermal and mechanical characteristics of poly(l-lactic acid) nanocomposite scaffold. <i>Biomaterials</i> , 2003, 24, 2773-2778.	11.4	245
13	Novel Injectable pH and Temperature Sensitive Block Copolymer Hydrogel. <i>Biomacromolecules</i> , 2005, 6, 2930-2934.	5.4	223
14	Injectable Block Copolymer Hydrogels: Achievements and Future Challenges for Biomedical Applications. <i>Macromolecules</i> , 2011, 44, 6629-6636.	4.8	221
15	Tumor-Targeting Peptide Conjugated pH-Responsive Micelles as a Potential Drug Carrier for Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2010, 21, 208-213.	3.6	214
16	Hyaluronic Acid-Based Activatable Nanomaterials for Stimuli-Responsive Imaging and Therapeutics: Beyond CD44-Mediated Drug Delivery. <i>Advanced Materials</i> , 2019, 31, e1803549.	21.0	188
17	Injectable polymeric hydrogels for the delivery of therapeutic agents: A review. <i>European Polymer Journal</i> , 2015, 72, 602-619.	5.4	184
18	Environmental pH-sensitive polymeric micelles for cancer diagnosis and targeted therapy. <i>Journal of Controlled Release</i> , 2013, 169, 180-184.	9.9	175

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19	In vivo tumor diagnosis and photodynamic therapy via tumoral pH-responsive polymeric micelles. <i>Chemical Communications</i> , 2010, 46, 5668.	4.1	173
20	Injectable hydrogels for sustained release of therapeutic agents. <i>Journal of Controlled Release</i> , 2017, 267, 57-66.	9.9	166
21	Poly(D,L-lactic acid-co-glycolic acid)-b-poly(ethylene glycol)-b-poly (D,L-lactic acid-co-glycolic acid) triblock copolymer and thermoreversible phase transition in water. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 61, 188-196.	3.1	143
22	Effect of PEG-PLLA diblock copolymer on macroporous PLLA scaffolds by thermally induced phase separation. <i>Biomaterials</i> , 2004, 25, 2319-2329.	11.4	143
23	Macroporous poly(L-lactide) scaffold 1. Preparation of a macroporous scaffold by liquid-liquid phase separation of a PLLA-dioxane-water system. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 63, 161-167.	3.1	142
24	Controlled release of insulin from pH/temperature-sensitive injectable pentablock copolymer hydrogel. <i>Journal of Controlled Release</i> , 2009, 137, 20-24.	9.9	142
25	Smart vaccine delivery based on microneedle arrays decorated with ultra-pH-responsive copolymers for cancer immunotherapy. <i>Biomaterials</i> , 2018, 185, 13-24.	11.4	142
26	Biodegradability and biocompatibility of a pH- and thermo-sensitive hydrogel formed from a sulfonamide-modified poly( $\mu$ -caprolactone-co-lactide)- <i>b</i> -poly(ethylene glycol) triblock copolymer. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 63, 161-167.	3.1	142
27	Stimulus-sensitive Polymeric Nanoparticles and Their Applications as Drug and Gene Carriers. <i>Advanced Healthcare Materials</i> , 2013, 2, 388-417.	7.6	133
28	Advances in biodegradable and injectable hydrogels for biomedical applications. <i>Journal of Controlled Release</i> , 2021, 330, 151-160.	9.9	133
29	Immobilization of cell adhesive RGD peptide onto the surface of highly porous biodegradable polymer scaffolds fabricated by a gas foaming/salt leaching method. <i>Biomaterials</i> , 2004, 25, 5613-5620.	11.4	129
30	Stimulus-sensitive Injectable Hydrogels Based on Polysaccharides and Their Biomedical Applications. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1881-1896.	3.9	129
31	pH- and temperature-sensitive, injectable, biodegradable block copolymer hydrogels as carriers for paclitaxel. <i>International Journal of Pharmaceutics</i> , 2007, 331, 11-18.	5.2	127
32	Enhanced Cancer Vaccination by <i>In Situ</i> Nanomicelle-Generating Dissolving Microneedles. <i>ACS Nano</i> , 2018, 12, 9702-9713.	14.6	127
33	Hypoxia-responsive nanocarriers for cancer imaging and therapy: recent approaches and future perspectives. <i>Chemical Communications</i> , 2016, 52, 8492-8500.	4.1	125
34	Injectable <i>In Situ</i> Forming pH/Thermo-Sensitive Hydrogel for Bone Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2009, 15, 923-933.	3.1	124
35	Thermoreversible gelation of biodegradable poly( $\mu$ -caprolactone) and poly(ethylene glycol) multiblock copolymers in aqueous solutions. <i>Journal of Controlled Release</i> , 2001, 73, 315-327.	9.9	123
36	Stimuli-responsive polymersomes for cancer therapy. <i>Biomaterials Science</i> , 2016, 4, 55-69.	5.4	122

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37	Thermoreversible gelation of poly(ethylene oxide) biodegradable polyester block copolymers. <i>Journal of Polymer Science Part A</i> , 1999, 37, 751-760.	2.3	120
38	Sulfonamide-Based pH- and Temperature-Sensitive Biodegradable Block Copolymer Hydrogels. <i>Biomacromolecules</i> , 2006, 7, 1935-1941.	5.4	119
39	Target-specific delivery of siRNA by stabilized calcium phosphate nanoparticles using dopa-hyaluronic acid conjugate. <i>Journal of Controlled Release</i> , 2014, 192, 122-130.	9.9	115
40	A facile preparation of highly interconnected macroporous poly(D,L-lactic acid-co-glycolic acid) (PLGA) scaffolds by liquid-liquid phase separation of a PLGA-dioxane-water ternary system. <i>Polymer</i> , 2003, 44, 1911-1920.	3.8	111
41	pH-responsive polymeric micelle based on PEG-poly( $\beta$ -amino ester)/(amido amine) as intelligent vehicle for magnetic resonance imaging in detection of cerebral ischemic area. <i>Journal of Controlled Release</i> , 2011, 155, 11-17.	9.9	106
42	Bioreducible core-crosslinked hyaluronic acid micelle for targeted cancer therapy. <i>Journal of Controlled Release</i> , 2015, 200, 158-166.	9.9	101
43	pH-Responsive PEG-Poly( $\beta$ -amino ester) Block Copolymer Micelles with a Sharp Transition. <i>Macromolecular Rapid Communications</i> , 2006, 27, 447-451.	3.9	98
44	Gold-Nanoclustered Hyaluronan Nano-Assemblies for Photothermally Maneuvered Photodynamic Tumor Ablation. <i>ACS Nano</i> , 2016, 10, 10858-10868.	14.6	96
45	Co-Delivery of Drugs and Genes Using Polymeric Nanoparticles for Synergistic Cancer Therapeutic Effects. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700886.	7.6	96
46	Magnetite-Nanoparticle-Encapsulated pH-Responsive Polymeric Micelle as an MRI Probe for Detecting Acidic Pathologic Areas. <i>Small</i> , 2010, 6, 1201-1204.	10.0	95
47	The use of pH-sensitive positively charged polymeric micelles for protein delivery. <i>Biomaterials</i> , 2012, 33, 9157-9164.	11.4	95
48	Bioreducible Carboxymethyl Dextran Nanoparticles for Tumor-Targeted Drug Delivery. <i>Advanced Healthcare Materials</i> , 2014, 3, 1829-1838.	7.6	91
49	Microneedle arrays coated with charge reversal pH-sensitive copolymers improve antigen presenting cells-homing DNA vaccine delivery and immune responses. <i>Journal of Controlled Release</i> , 2018, 269, 225-234.	9.9	90
50	Bioinspired pH- and Temperature-Responsive Injectable Adhesive Hydrogels with Polyplexes Promotes Skin Wound Healing. <i>Biomacromolecules</i> , 2018, 19, 3536-3548.	5.4	89
51	Enhancing neurogenesis and angiogenesis with target delivery of stromal cell derived factor-1 using a dual ionic pH-sensitive copolymer. <i>Biomaterials</i> , 2015, 61, 115-125.	11.4	85
52	Synthesis of lactide from oligomeric PLA: Effects of temperature, pressure, and catalyst. <i>Macromolecular Research</i> , 2006, 14, 510-516.	2.4	83
53	pH- and temperature-sensitive multiblock copolymer hydrogels composed of poly(ethylene glycol) and poly(amino urethane). <i>Polymer</i> , 2008, 49, 4968-4973.	3.8	83
54	Polyplex-releasing microneedles for enhanced cutaneous delivery of DNA vaccine. <i>Journal of Controlled Release</i> , 2014, 179, 11-17.	9.9	83

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55	Redox- and pH-Sensitive Polymeric Micelles Based on Poly( $\beta$ -amino ester)-Grafted Disulfide Methylene Oxide Poly(ethylene glycol) for Anticancer Drug Delivery. <i>Macromolecules</i> , 2015, 48, 4046-4054.	4.8	82
56	Poly(ethylene glycol)-b-poly(lysine) copolymer bearing nitroaromatics for hypoxia-sensitive drug delivery. <i>Acta Biomaterialia</i> , 2016, 29, 261-270.	8.3	82
57	Biodegradable and pH-sensitive polymersome with tuning permeable membrane for drug delivery carrier. <i>Chemical Communications</i> , 2010, 46, 4481.	4.1	81
58	Bioreducible polymersomes for intracellular dual-drug delivery. <i>Journal of Materials Chemistry</i> , 2012, 22, 22028.	6.7	79
59	Degradation-regulated architecture of injectable smart hydrogels enhances humoral immune response and potentiates antitumor activity in human lung carcinoma. <i>Biomaterials</i> , 2020, 230, 119599.	11.4	79
60	Drug releasing characteristics of thermo- and pH-sensitive interpenetrating polymer networks based on poly (N-isopropylacrylamide). <i>Journal of Applied Polymer Science</i> , 1997, 64, 2647-2655.	2.6	77
61	Thermoreversible gelation of poly(ethylene oxide) biodegradable polyester block copolymers. II. <i>Journal of Polymer Science Part A</i> , 1999, 37, 2207-2218.	2.3	77
62	Sustained delivery of doxorubicin using biodegradable pH/temperature-sensitive poly(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	2.7	75
63	Synthesis and evaluation of biotin-conjugated pH-responsive polymeric micelles as drug carriers. <i>International Journal of Pharmaceutics</i> , 2012, 427, 435-442.	5.2	75
64	Injectable Poly(amidoamine)-poly(ethylene glycol)-poly(amidoamine) Triblock Copolymer Hydrogel with Dual Sensitivities: pH and Temperature. <i>Biomacromolecules</i> , 2009, 10, 728-731.	5.4	72
65	Multifunctional and Stimuli-Responsive Magnetic Nanoparticle-Based Delivery Systems for Biomedical Applications. <i>Advanced Therapeutics</i> , 2018, 1, 1800011.	3.2	71
66	Novel pH Sensitive Block Copolymer Micelles for Solvent Free Drug Loading. <i>Macromolecular Bioscience</i> , 2006, 6, 179-186.	4.1	68
67	pH-sensitive and bioadhesive poly( $\beta$ -amino ester)-poly(ethylene glycol)-poly( $\beta$ -amino ester) triblock copolymer hydrogels with potential for drug delivery in oral mucosal surfaces. <i>Polymer</i> , 2009, 50, 5205-5210.	3.8	68
68	Enzyme-mediated cross-linking of Pluronic copolymer micelles for injectable and in situ forming hydrogels. <i>Acta Biomaterialia</i> , 2011, 7, 1468-1476.	8.3	68
69	One-Step Preparation of pH-Responsive Polymeric Nanogels as Intelligent Drug Delivery Systems for Tumor Therapy. <i>Biomacromolecules</i> , 2018, 19, 2062-2070.	5.4	67
70	pH-Responsive biodegradable polymeric micelles with anchors to interface magnetic nanoparticles for MR imaging in detection of cerebral ischemic area. <i>Nanoscale</i> , 2016, 8, 12588-12598.	5.6	66
71	Poly(amino carbonate urethane)-based biodegradable, temperature and pH-sensitive injectable hydrogels for sustained human growth hormone delivery. <i>Scientific Reports</i> , 2016, 6, 29978.	3.3	65
72	Nanoparticles based on quantum dots and a luminol derivative: implications for in vivo imaging of hydrogen peroxide by chemiluminescence resonance energy transfer. <i>Chemical Communications</i> , 2016, 52, 4132-4135.	4.1	64

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73	Chitosan-based composite hydrogels for biomedical applications. <i>Macromolecular Research</i> , 2017, 25, 480-488.	2.4	63
74	Injectable hydrogel-incorporated cancer cell-specific cisplatin releasing nanogels for targeted drug delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7140-7152.	5.8	61
75	pH/temperature sensitive poly(ethylene glycol)-based biodegradable polyester block copolymer hydrogels. <i>Polymer</i> , 2006, 47, 7918-7926.	3.8	60
76	Controlled release of human growth hormone from a biodegradable pH/temperature-sensitive hydrogel system. <i>Soft Matter</i> , 2011, 7, 8984.	2.7	60
77	Bioreducible hyaluronic acid conjugates as siRNA carrier for tumor targeting. <i>Journal of Controlled Release</i> , 2013, 172, 653-661.	9.9	60
78	Biodegradable pH/temperature-sensitive oligo( $\beta$ -amino ester urethane) hydrogels for controlled release of doxorubicin. <i>Acta Biomaterialia</i> , 2011, 7, 3123-3130.	8.3	59
79	Heparin-based temperature-sensitive injectable hydrogels for protein delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8892-8901.	5.8	59
80	Construction of redox/pH dual stimuli-responsive PEGylated polymeric micelles for intracellular doxorubicin delivery in liver cancer. <i>Polymer Chemistry</i> , 2016, 7, 1813-1825.	3.9	58
81	Sulfamethazine-based pH-sensitive hydrogels with potential application for transcatheter arterial chemoembolization therapy. <i>Acta Biomaterialia</i> , 2016, 41, 253-263.	8.3	55
82	Photo-crosslinkable, thermo-sensitive and biodegradable Pluronic hydrogels for sustained release of protein. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 1571-1583.	3.5	53
83	pH-sensitive Nanoflash for Tumoral Acidic pH Imaging in Live Animals. <i>Small</i> , 2010, 6, 2539-2544.	10.0	53
84	Nanostructure controlled sustained delivery of human growth hormone using injectable, biodegradable, pH/temperature responsive nanobiohybrid hydrogel. <i>Nanoscale</i> , 2015, 7, 3043-3054.	5.6	53
85	Synthesis and pH-dependent micellization of 2-(diisopropylamino)ethyl methacrylate based amphiphilic diblock copolymers via RAFT polymerization. <i>Polymer</i> , 2007, 48, 3437-3443.	3.8	52
86	Polyurethane foam containing rhEGF as a dressing material for healing diabetic wounds: Synthesis, characterization, in vitro and in vivo studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 699-706.	5.0	52
87	A facile preparation of highly interconnected macroporous PLGA scaffolds by liquid-liquid phase separation II. <i>Polymer</i> , 2005, 46, 3801-3808.	3.8	50
88	A pH- and temperature-responsive bioresorbable injectable hydrogel based on polypeptide block copolymers for the sustained delivery of proteins <i>in vivo</i> . <i>Biomaterials Science</i> , 2018, 6, 661-671.	5.4	50
89	Highly potent intradermal vaccination by an array of dissolving microneedle polypeptide cocktails for cancer immunotherapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1171-1181.	5.8	50
90	Pancreatic cancer therapy using an injectable nanobiohybrid hydrogel. <i>RSC Advances</i> , 2016, 6, 41644-41655.	3.6	49

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91	Multifunctional and Redox-Responsive Self-Assembled Magnetic Nanovectors for Protein Delivery and Dual-Modal Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19184-19192.	8.0	49
92	Colloidal Mesoporous Silica Nanoparticles as Strong Adhesives for Hydrogels and Biological Tissues. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31469-31477.	8.0	49
93	Charge-convertible polymers for improved tumor targeting and enhanced therapy. <i>Biomaterials</i> , 2019, 217, 119299.	11.4	49
94	A novel conducting soluble polypyrrole composite with a polymeric co-dopant. <i>Synthetic Metals</i> , 2000, 114, 347-353.	3.9	48
95	Evaluation of AgHAP-containing polyurethane foam dressing for wound healing: synthesis, characterization, in vitro and in vivo studies. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7752-7763.	5.8	48
96	Inverse Photonic Glasses by Packing Bidisperse Hollow Microspheres with Uniform Cores. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 24155-24160.	8.0	48
97	Folate decorated hollow spheres of microporous organic networks as drug delivery materials. <i>Chemical Communications</i> , 2018, 54, 3652-3655.	4.1	48
98	Modularly engineered alginate bioconjugate hydrogel as biocompatible injectable scaffold for in situ biomineralization. <i>Carbohydrate Polymers</i> , 2020, 233, 115832.	10.2	48
99	Surface modification of poly(L-lactide) electrospun fibers with nanocrystal hydroxyapatite for engineered scaffold applications. <i>Materials Science and Engineering C</i> , 2008, 28, 1242-1249.	7.3	47
100	Molecular design of novel pH/temperature-sensitive hydrogels. <i>Polymer</i> , 2009, 50, 2565-2571.	3.8	47
101	In situ gelling aqueous solutions of pH- and temperature-sensitive poly(ester amino urethane)s. <i>Polymer</i> , 2008, 49, 4620-4625.	3.8	46
102	Hierarchical tumor acidity-responsive self-assembled magnetic nanotheranostics for bimodal bioimaging and photodynamic therapy. <i>Journal of Controlled Release</i> , 2019, 301, 157-165.	9.9	46
103	Synthesis and characterization of pH/temperature-sensitive block copolymers via atom transfer radical polymerization. <i>Polymer</i> , 2007, 48, 758-762.	3.8	45
104	Biodegradable oligo(amidoamine/β <sup>2</sup> -amino ester) hydrogels for controlled insulin delivery. <i>Soft Matter</i> , 2011, 7, 2994.	2.7	45
105	Bioresorbable polypeptide-based comb-polymers efficiently improves the stability and pharmacokinetics of proteins in vivo. <i>Biomaterials Science</i> , 2017, 5, 837-848.	5.4	45
106	Modularly engineered injectable hybrid hydrogels based on protein-polymer network as potent immunologic adjuvant in vivo. <i>Biomaterials</i> , 2019, 195, 100-110.	11.4	45
107	pH-sensitivity control of PEG-poly(β <sup>2</sup> -amino ester) block copolymer micelle. <i>Macromolecular Research</i> , 2007, 15, 437-442.	2.4	44
108	Polyurethane interpenetrating polymer networks (IPN's) synthesized under high pressure. 4. Compositional variation of polyurethane-polystyrene IPN's and linear blends. <i>Macromolecules</i> , 1985, 18, 2173-2179.	4.8	43

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109	Tumor acidity and CD44 dual targeting hyaluronic acid-coated gold nanorods for combined chemo- and photothermal cancer therapy. <i>Carbohydrate Polymers</i> , 2019, 226, 115281.	10.2	43
110	Triple-, Double-, and Single-Shelled Hollow Spheres of Sulfonated Microporous Organic Network as Drug Delivery Materials. <i>Chemistry of Materials</i> , 2019, 31, 300-304.	6.7	42
111	Polyurethane interpenetrating polymer networks (IPN's) synthesized under high pressure. 1. Morphology and Tg behavior of polyurethane-poly(methyl methacrylate) IPN's. <i>Macromolecules</i> , 1984, 17, 268-272.	4.8	41
112	Therapeutic efficacy of a systemically delivered oncolytic adenovirus " Biodegradable polymer complex. <i>Biomaterials</i> , 2013, 34, 4622-4631.	11.4	40
113	Modulation of poly( $\beta$ -amino ester) pH-sensitive polymers by molecular weight control. <i>Macromolecular Research</i> , 2005, 13, 147-151.	2.4	39
114	Multifunctional Polymer Ligand Interface CdZnSeS/ZnS Quantum Dot/Cy3-Labeled Protein Pairs as Sensitive FRET Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 35021-35032.	8.0	39
115	Temperature and pH-sensitive injectable hydrogels based on poly(sulfamethazine carbonate urethane) for sustained delivery of cationic proteins. <i>Polymer</i> , 2017, 109, 38-48.	3.8	39
116	An acidic pH-triggered polymeric micelle for dual-modality MR and optical imaging. <i>Journal of Materials Chemistry</i> , 2010, 20, 5454.	6.7	38
117	Dually cationic and anionic pH/temperature-sensitive injectable hydrogels and potential application as a protein carrier. <i>Chemical Communications</i> , 2012, 48, 10951.	4.1	38
118	Bioengineered robust hybrid hydrogels enrich the stability and efficacy of biological drugs. <i>Journal of Controlled Release</i> , 2017, 267, 119-132.	9.9	38
119	Structure development via reaction-induced phase separation in tetrafunctional epoxy/polysulfone blends. <i>Journal of Applied Polymer Science</i> , 1997, 66, 2233-2242.	2.6	36
120	pH/temperature-sensitive 4-arm poly(ethylene glycol)-poly(amino urethane) copolymer hydrogels. <i>Polymer</i> , 2010, 51, 3843-3850.	3.8	36
121	Multifunctional hyaluronic acid-mediated quantum dots for targeted intracellular protein delivery and real-time fluorescence imaging. <i>Carbohydrate Polymers</i> , 2019, 224, 115174.	10.2	35
122	Polyurethane Interpenetrating Polymer-Networks (IPN's) synthesized under high pressure. 2. Morphology and Tg behavior of polyurethane-polystyrene IPN's. <i>Macromolecules</i> , 1984, 17, 2193-2196.	4.8	33
123	In vitro Release and in vivo Anti-tumor Efficacy of Doxorubicin from Biodegradable Temperature-sensitive Star-shaped PLGA-PEG Block Copolymer Hydrogel. <i>Polymer Journal</i> , 2008, 40, 171-176.	2.7	33
124	Synthesis and characterization of poly(L-glutamic acid)-block-poly(L-phenylalanine). <i>Polymer</i> , 2009, 50, 2252-2257.	3.8	33
125	pH-Sensitive sulfamethazine-based hydrogels as potential embolic agents for transcatheter vascular embolization. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6524-6533.	5.8	33
126	AgNP and rhEGF-incorporating synergistic polyurethane foam as a dressing material for scar-free healing of diabetic wounds. <i>RSC Advances</i> , 2017, 7, 13714-13725.	3.6	33



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127	Xenotransplantation of layer-by-layer encapsulated non-human primate islets with a specified immunosuppressive drug protocol. <i>Journal of Controlled Release</i> , 2017, 258, 10-21.	9.9	33
128	Physically crosslinked injectable hydrogels for long-term delivery of oncolytic adenoviruses for cancer treatment. <i>Biomaterials Science</i> , 2019, 7, 4195-4207.	5.4	33
129	Thermoresponsive phase transitions of PLA-block-PEO-block-PLA triblock stereo-copolymers in aqueous solution. <i>Macromolecular Research</i> , 2002, 10, 359-364.	2.4	32
130	Oligo(amidoamine)s hydrogels with tunable gel properties. <i>Chemical Communications</i> , 2010, 46, 3583.	4.1	32
131	Biodegradable and Injectable Hydrogels in Biomedical Applications. <i>Biomacromolecules</i> , 2022, 23, 609-618.	5.4	32
132	Preparation of a Macroporous Poly(L-lactide) Scaffold by Liquid-Liquid Phase Separation of a PLLA/1,4-Dioxane/Water Ternary System in the Presence of NaCl. <i>Macromolecular Rapid Communications</i> , 2001, 22, 1053-1057.	3.9	31
133	Controlling the degradation of pH/temperature-sensitive injectable hydrogels based on poly( $\beta$ -amino) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50 382 Td (glycol)-b-poly( $\mu$ -cap	2.4	29
134	Synthesis and characterization of an amphiphilic graft polymer and its potential as a pH-sensitive drug carrier. <i>Polymer</i> , 2011, 52, 3304-3310.	3.8	29
135	A novel sulfamethazine-based pH-sensitive copolymer for injectable radiopaque embolic hydrogels with potential application in hepatocellular carcinoma therapy. <i>Polymer Chemistry</i> , 2016, 7, 5805-5818.	3.9	29
136	Novel pH and temperature-sensitive block copolymers: Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (glycol)-b-poly( $\mu$ -cap	2.4	28
137	Bioadhesive PAA-PEG-PAA triblock copolymer hydrogels for drug delivery in oral cavity. <i>Macromolecular Research</i> , 2010, 18, 284-288.	2.4	28
138	Self-assembled PEGylated albumin nanoparticles (SPAN) as a platform for cancer chemotherapy and imaging. <i>Drug Delivery</i> , 2018, 25, 1570-1578.	5.7	28
139	Biodegradable star-shaped poly(ethylene glycol)-poly( $\beta$ -amino ester) cationic pH/temperature-sensitive copolymer hydrogels. <i>Colloid and Polymer Science</i> , 2011, 289, 301-308.	2.1	27
140	Synthesis and characterization of poly(amino urea urethane)-based block copolymer and its potential application as injectable pH/temperature-sensitive hydrogel for protein carrier. <i>Polymer</i> , 2012, 53, 4069-4075.	3.8	27
141	pH-triggered unimer/vesicle-transformable and biodegradable polymersomes based on PEG-b-PCLâ€“grafted poly( $\beta$ -amino ester) for anti-cancer drug delivery. <i>Polymer</i> , 2013, 54, 102-110.	3.8	27
142	Bioresorbable pH- and temperature-responsive injectable hydrogels-incorporating electrosprayed particles for the sustained release of insulin. <i>Polymer Degradation and Stability</i> , 2019, 162, 36-46.	5.8	27
143	Polyurethane-polystyrene interpenetrating polymer networks: effect of photopolymerization temperature. <i>Macromolecules</i> , 1986, 19, 2589-2593.	4.8	26
144	RAFT synthesis of amphiphilic (Aâ€“ <i>x</i> ran</i>â€“B)â€“ <i>b</i> </i>â€“C diblock copolymers with tunable pHâ€“sensitivity. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3740-3748.	2.3	26

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