

Wenxin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

233
papers

11,398
citations

26567

56
h-index

39575

94
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246
all docs

246
docs citations

246
times ranked

14348
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulating Drug Release from Short Poly(ethylene glycol) Block Initiated Poly(L-lactide) Di-block Copolymers. <i>Pharmaceutical Research</i> , 2023, 40, 1697-1707.	1.7	2
2	Highly branched poly(β -amino ester)s with narrow molecular weight distribution: Fractionation and gene transfection activity. <i>Chinese Chemical Letters</i> , 2023, 34, 107627.	4.8	3
3	The relationship between serum 25-hydroxyvitamin-D level and sweat function in patients with type 2 diabetes mellitus. <i>Journal of Endocrinological Investigation</i> , 2022, 45, 361-368.	1.8	1
4	Non-viral delivery of CRISPR-Cas9 complexes for targeted gene editing via a polymer delivery system. <i>Gene Therapy</i> , 2022, 29, 157-170.	2.3	34
5	Simultaneous Realization of Superoleophobicity and Strong Substrate Adhesion in Water via a Unique Segment Orientation Mechanism. <i>Advanced Materials</i> , 2022, 34, e2106908.	11.1	20
6	Resveratrol-Loaded Poly(β -amino ester)-Lactide-Co-Glycolide Microspheres Integrated in a Hyaluronic Acid Injectable Hydrogel for Cartilage Regeneration. <i>Advanced NanoBiomed Research</i> , 2022, 2, .	1.7	4
7	Cyclic poly(β -amino ester)s with enhanced gene transfection activity synthesized through intra-molecular cyclization. <i>Chemical Communications</i> , 2022, 58, 2136-2139.	2.2	16
8	Well-Defined Polyethylene Glycol Microscale Hydrogel Blocks Containing Gold Nanorods for Dual Photothermal and Chemotherapeutic Therapy. <i>Pharmaceutics</i> , 2022, 14, 551.	2.0	3
9	Role of Histone Post-Translational Modifications in Inflammatory Diseases. <i>Frontiers in Immunology</i> , 2022, 13, 852272.	2.2	27
10	GlmU inhibitor from the roots of <i>Euphorbia ebracteolata</i> as an anti-tuberculosis agent. <i>RSC Advances</i> , 2022, 12, 18266-18273.	1.7	1
11	<i>In situ</i> -crosslinked hydrogel-induced experimental glaucoma model with persistent ocular hypertension and neurodegeneration. <i>Biomaterials Science</i> , 2022, 10, 5006-5017.	2.6	7
12	A chondroitin sulfate based injectable hydrogel for delivery of stem cells in cartilage regeneration. <i>Biomaterials Science</i> , 2021, 9, 4139-4148.	2.6	41
13	Reactive oxygen species (ROS): utilizing injectable antioxidative hydrogels and ROS-producing therapies to manage the double-edged sword. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6326-6346.	2.9	46
14	Thermo-Responsive PLGA-PEG-PLGA Hydrogels as Novel Injectable Platforms for Neuroprotective Combined Therapies in the Treatment of Retinal Degenerative Diseases. <i>Pharmaceutics</i> , 2021, 13, 234.	2.0	24
15	Injectable Glycosaminoglycan-Based Cryogels from Well-Defined Microscale Templates for Local Growth Factor Delivery. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1178-1188.	1.7	12
16	An injectable multi-responsive hydrogel as self-healable and on-demand dissolution tissue adhesive. <i>Applied Materials Today</i> , 2021, 22, 100967.	2.3	30
17	A Hybrid Injectable and Self-Healable Hydrogel System as 3D Cell Culture Scaffold. <i>Macromolecular Bioscience</i> , 2021, 21, e2100079.	2.1	5
18	A Mendelian randomization study on the role of serum parathyroid hormone and 25-hydroxyvitamin D in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 1282-1290.	0.6	9

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19	Highly branched poly(β -amino ester)s for gene delivery in hereditary skin diseases. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113842.	6.6	34
20	An Injectable Chitosan-Based Self-Healable Hydrogel System as an Antibacterial Wound Dressing. <i>Materials</i> , 2021, 14, 5956.	1.3	40
21	Qualitative Analysis and Componential Differences of Chemical Constituents in Taxilli Herba from Different Hosts by UFLC-Triple TOF-MS/MS. <i>Molecules</i> , 2021, 26, 6373.	1.7	6
22	Comparison of the Therapeutic Effects of Native and Anionic Nanofibrillar Cellulose Hydrogels for Full-Thickness Skin Wound Healing. <i>Micro</i> , 2021, 1, 194-214.	0.9	6
23	Development of Minicircle Vectors Encoding COL7A1 Gene with Human Promoters for Non-Viral Gene Therapy for Recessive Dystrophic Epidermolysis Bullosa. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12774.	1.8	8
24	In situ Forming Hyperbranched PEG α -Thiolated Hyaluronic Acid Hydrogels With Honey-Mimetic Antibacterial Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 742135.	2.0	7
25	Proteomics of Tear in Inactive Thyroid-Associated Ophthalmopathy. <i>Acta Endocrinologica</i> , 2021, 17, 291-303.	0.1	2
26	Wound dressing change facilitated by spraying zinc ions. <i>Materials Horizons</i> , 2020, 7, 605-614.	6.4	106
27	Kartogenin mediates cartilage regeneration by stimulating the IL-6/Stat3-dependent proliferation of cartilage stem/progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 385-392.	1.0	12
28	Instant Gelation System as Self-Healable and Printable 3D Cell Culture Bioink Based on Dynamic Covalent Chemistry. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38918-38924.	4.0	26
29	Poly(ethylene glycol) based nanotubes for tuneable drug delivery to glioblastoma multiforme. <i>Nanoscale Advances</i> , 2020, 2, 4498-4509.	2.2	8
30	Cytocompatibility Evaluation of a Novel Series of PEG-Functionalized Lactide-Caprolactone Copolymer Biomaterials for Cardiovascular Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 991.	2.0	7
31	Complex polymer architectures through free-radical polymerization of multivinyl monomers. <i>Nature Reviews Chemistry</i> , 2020, 4, 194-212.	13.8	93
32	Cartilage-Derived Progenitor Cell-Laden Injectable Hydrogel α An Approach for Cartilage Tissue Regeneration. <i>ACS Applied Bio Materials</i> , 2020, 3, 4756-4765.	2.3	25
33	Green Synthetic Approach for Photo-Cross-Linkable Methacryloyl Hyaluronic Acid with a Tailored Substitution Degree. <i>Biomacromolecules</i> , 2020, 21, 2229-2235.	2.6	12
34	CBL0137 administration suppresses human hepatocellular carcinoma cells proliferation and induces apoptosis associated with multiple cell death related proteins. <i>Neoplasma</i> , 2020, 67, 547-556.	0.7	3
35	Surface patterning of a novel PEG α -functionalized poly(α -lactide) polymer to improve its biocompatibility: Applications to bioresorbable vascular stents. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 624-634.	1.6	30
36	Efficient and Robust Highly Branched Poly(β -amino ester)/Minicircle COL7A1 Polymeric Nanoparticles for Gene Delivery to Recessive Dystrophic Epidermolysis Bullosa Keratinocytes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30661-30672.	4.0	31

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37	Highly branched $\hat{\text{A}}\text{poly}(\hat{\text{I}}^2\text{-amino ester})\hat{\text{A}}$ delivery of minicircle DNA for transfection of neurodegenerative disease related cells. <i>Nature Communications</i> , 2019, 10, 3307.	5.8	80
38	Folic acid and rhodamine labelled pH responsive hyperbranched polymers: Synthesis, characterization and cell uptake studies. <i>European Polymer Journal</i> , 2019, 120, 109259.	2.6	9
39	Synthetic bioresorbable poly- $\hat{\text{I}}^2$ -hydroxyesters as peripheral nerve guidance conduits; a review of material properties, design strategies and their efficacy to date. <i>Biomaterials Science</i> , 2019, 7, 4912-4943.	2.6	31
40	Branched polystyrenes from suspension $\hat{\text{A}}\text{Strathclyde}\hat{\text{A}}$ polymerization using a vulcanization accelerator as a chain transfer agent. <i>Polymer Chemistry</i> , 2019, 10, 885-890.	1.9	6
41	Bacteria Resistant Single Chain Cyclized/Knotted Polymer Coatings. <i>Angewandte Chemie</i> , 2019, 131, 10726-10730.	1.6	0
42	Bacteria Resistant Single Chain Cyclized/Knotted Polymer Coatings. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10616-10620.	7.2	14
43	Advanced Polymers for Nonviral Gene Delivery. , 2019, , 311-364.		4
44	E-064 Remote non-flow related intracranial aneurysms (IAs) associated with dural arteriovenous shunts (DAVSs) incidence, clinical presentation, treatment and outcome. a case series and review of the literature. , 2019, , .		0
45	Manipulation of Transgene Expression in Fibroblast Cells by a Multifunctional Linear-Branched Hybrid Poly($\hat{\text{I}}^2$ -Amino Ester) Synthesized through an Oligomer Combination Approach. <i>Nano Letters</i> , 2019, 19, 381-391.	4.5	48
46	Rebuilding Postinfarcted Cardiac Functions by Injecting TIIA@PDA Nanoparticle-Cross-linked ROS-Sensitive Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2880-2890.	4.0	79
47	Can Flory-Stockmayer theory be applied to predict conventional free radical polymerization of multivinyl monomers? A study via Monte Carlo simulations. <i>Science China Chemistry</i> , 2018, 61, 319-327.	4.2	15
48	Paintable and Rapidly Bondable Conductive Hydrogels as Therapeutic Cardiac Patches. <i>Advanced Materials</i> , 2018, 30, e1704235.	11.1	329
49	Bisphosphonates for the preservation of periprosthetic bone mineral density after total joint arthroplasty: a meta-analysis of 25 randomized controlled trials. <i>Osteoporosis International</i> , 2018, 29, 1525-1537.	1.3	25
50	Recent research on stimulated emission depletion microscopy for reducing photobleaching. <i>Journal of Microscopy</i> , 2018, 271, 4-16.	0.8	21
51	Double-Cross-Linked Hydrogel Strengthened by UV Irradiation from a Hyperbranched PEG-Based Trifunctional Polymer. <i>ACS Macro Letters</i> , 2018, 7, 509-513.	2.3	39
52	Short poly(ethylene glycol) block initiation of poly($\hat{\text{A}}\text{lactide})\hat{\text{B}}$ block copolymers: a strategy for tuning the degradation of resorbable devices. <i>Polymer International</i> , 2018, 67, 726-738.	1.6	9
53	Interferon induced protein 35 inhibits endothelial cell proliferation, migration and reendothelialization of injured arteries by inhibiting the nuclear factor $\hat{\text{A}}\text{kappa B}$ pathway. <i>Acta Physiologica</i> , 2018, 223, e13037.	1.8	26
54	Clinical benefits of autologous haematopoietic stem cell transplantation in type 1 diabetes patients. <i>Diabetes and Metabolism</i> , 2018, 44, 341-345.	1.4	18

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55	miRNA delivery for skin wound healing. <i>Advanced Drug Delivery Reviews</i> , 2018, 129, 308-318.	6.6	94
56	A facile one-pot synthesis of acrylated hyaluronic acid. <i>Chemical Communications</i> , 2018, 54, 1081-1084.	2.2	19
57	Injectable hyperbranched poly(β -amino ester) hydrogels with on-demand degradation profiles to match wound healing processes. <i>Chemical Science</i> , 2018, 9, 2179-2187.	3.7	123
58	Soft and flexible poly(ethylene glycol) nanotubes for local drug delivery. <i>Nanoscale</i> , 2018, 10, 8413-8421.	2.8	22
59	3D Bioprinting of stimuli-responsive polymers synthesised from DE-ATRP into soft tissue replicas. <i>Bioprinting</i> , 2018, 9, 37-43.	2.9	7
60	The Effect Acetic Acid has on Poly(<i>N</i> -Vinylcaprolactam) LCST for Biomedical Applications. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 1165-1174.	1.9	7
61	Catechol functionalized hyperbranched polymers as biomedical materials. <i>Progress in Polymer Science</i> , 2018, 78, 47-55.	11.8	85
62	A hyperbranched amphiphilic acetal polymer for pH-sensitive drug delivery. <i>Polymer Chemistry</i> , 2018, 9, 169-177.	1.9	42
63	Star Polymers from Single-Chain Cyclized/Knotted Nanoparticles as a Core. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700473.	1.1	4
64	Brushlike Cationic Polymers with Low Charge Density for Gene Delivery. <i>Biomacromolecules</i> , 2018, 19, 1410-1415.	2.6	21
65	Versatile Hyperbranched Poly(β -hydrazide ester) Macromers as Injectable Antioxidative Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39494-39504.	4.0	35
66	Cartilage regeneration using arthroscopic flushing fluid-derived mesenchymal stem cells encapsulated in a one-step rapid cross-linked hydrogel. <i>Acta Biomaterialia</i> , 2018, 79, 202-215.	4.1	65
67	A hybrid injectable hydrogel from hyperbranched PEG macromer as a stem cell delivery and retention platform for diabetic wound healing. <i>Acta Biomaterialia</i> , 2018, 75, 63-74.	4.1	213
68	Acceleration of Diabetic Wound Regeneration using an In Situ-Formed Stem-Cell-Based Skin Substitute. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800432.	3.9	56
69	Structural Design of Robust and Biocompatible Photonic Hydrogels from an In Situ Cross-Linked Hyperbranched Polymer System. <i>Chemistry of Materials</i> , 2018, 30, 6091-6098.	3.2	20
70	Monte Carlo Simulations of Atom Transfer Radical (Homo)polymerization of Divinyl Monomers: Applicability of Flory-Stockmayer Theory. <i>Macromolecules</i> , 2018, 51, 6673-6681.	2.2	26
71	Bio-resorbable polymer stents: a review of material progress and prospects. <i>Progress in Polymer Science</i> , 2018, 83, 79-96.	11.8	123
72	The Research and Application of the Nano Rare Earth Fluorescent Probes in the Ferulic Acid Detection. , 2018, , .		0

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73	Thermo- and pH-Responsive, Coacervate-Forming Hyperbranched Poly($\hat{1}^2$ -amino ester)s for Selective Cell Binding. ACS Applied Materials & Interfaces, 2017, 9, 5793-5802.	4.0	24
74	Synthesis, characterisation and phase transition behaviour of temperature-responsive physically crosslinked poly (N-vinylcaprolactam) based polymers for biomedical applications. Materials Science and Engineering C, 2017, 79, 130-139.	3.8	44
75	Star Poly($\hat{1}^2$ -amino esters) Obtained from the Combination of Linear Poly($\hat{1}^2$ -amino esters) and Polyethylenimine. ACS Macro Letters, 2017, 6, 575-579.	2.3	28
76	Injectable and Tunable Gelatin Hydrogels Enhance Stem Cell Retention and Improve Cutaneous Wound Healing. Advanced Functional Materials, 2017, 27, 1606619.	7.8	226
77	Hyperbranched PEG-based multi-NHS polymer and bioconjugation with BSA. Polymer Chemistry, 2017, 8, 1283-1287.	1.9	16
78	A new developing class of gene delivery: messenger RNA-based therapeutics. Biomaterials Science, 2017, 5, 2381-2392.	2.6	69
79	Controlled Polymerization of Multivinyl Monomers: Formation of Cyclized/Knotted Single-Chain Polymer Architectures. Angewandte Chemie - International Edition, 2017, 56, 450-460.	7.2	43
80	Biodegradable Highly Branched Poly($\hat{1}^2$ -Amino Ester)s for Targeted Cancer Cell Gene Transfection. ACS Biomaterials Science and Engineering, 2017, 3, 1283-1286.	2.6	55
81	Kontrollierte Polymerisation von Multivinyl-Monomeren: Bildung einer cyclischen/verknotteten Einzelketten-Polymerarchitektur. Angewandte Chemie, 2017, 129, 462-473.	1.6	5
82	Biodegradable and Biocompatible PDLLA-PEG1k-PDLLA Diacrylate Macromers: Synthesis, Characterisation and Preparation of Soluble Hyperbranched Polymers and Crosslinked Hydrogels. Processes, 2017, 5, 18.	1.3	5
83	Thermoresponsive and Reducible Hyperbranched Polymers Synthesized by RAFT Polymerisation. Polymers, 2017, 9, 443.	2.0	11
84	Highly Branched poly(5-amino-1-pentanol-co-1,4-butanediol diacrylate) for High Performance Gene Transfection. Polymers, 2017, 9, 161.	2.0	23
85	In situ-formed bioactive hydrogels for delivery of stem cells and biomolecules for wound healing. , 2016, , 289-307.		1
86	A non-viral gene therapy for treatment of recessive dystrophic epidermolysis bullosa. Experimental Dermatology, 2016, 25, 818-820.	1.4	29
87	Development of Branched Poly(5-Amino-1-pentanol-co-1,4-butanediol Diacrylate) with High Gene Transfection Potency Across Diverse Cell Types. ACS Applied Materials & Interfaces, 2016, 8, 34218-34226.	4.0	37
88	Main-chain degradable single-chain cyclized polymers as gene delivery vectors. Journal of Controlled Release, 2016, 244, 375-383.	4.8	30
89	Preparation, loading, and cytotoxicity analysis of polymer nanotubes from an ethylene glycol dimethacrylate homopolymer in comparison to multi-walled carbon nanotubes. Journal of Interdisciplinary Nanomedicine, 2016, 1, 9-18.	3.6	8
90	Peripheral blood CD ⁴⁺ cell ATP activity measurement to predict HCC recurrence post-DCD liver transplant. International Journal of Clinical Practice, 2016, 70, 11-16.	0.8	0

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91	GSH-responsive polymeric micelles based on the thioâ€ene reaction for controlled drug release. RSC Advances, 2016, 6, 80896-80904.	1.7	9
92	Poly(ethylene glycol)-Based Hyperbranched Polymer from RAFT and Its Application as a Silver-Sulfadiazine-Loaded Antibacterial Hydrogel in Wound Care. ACS Applied Materials & Interfaces, 2016, 8, 26648-26656.	4.0	70
93	Highly Branched Poly(\hat{I}^2 -amino esters) for Non-Viral Gene Delivery: High Transfection Efficiency and Low Toxicity Achieved by Increasing Molecular Weight. Biomacromolecules, 2016, 17, 3640-3647.	2.6	78
94	Non-viral xylosyltransferase-1 siRNA delivery as an effective alternative to chondroitinase in an in vitro model of reactive astrocytes. Neuroscience, 2016, 339, 267-275.	1.1	7
95	The transition from linear to highly branched poly(\hat{I}^2 -amino ester)s: Branching matters for gene delivery. Science Advances, 2016, 2, e1600102.	4.7	163
96	Anticancer Drug Disulfiram for In Situ RAFT Polymerization: Controlled Polymerization, Multifacet Self-Assembly, and Efficient Drug Delivery. ACS Macro Letters, 2016, 5, 1266-1272.	2.3	28
97	Highly branched poly(\hat{I}^2 -amino ester)s for skin gene therapy. Journal of Controlled Release, 2016, 244, 336-346.	4.8	95
98	Synthesis of ROS scavenging microspheres from a dopamine containing poly(\hat{I}^2 -amino ester) for applications for neurodegenerative disorders. Biomaterials Science, 2016, 4, 400-404.	2.6	31
99	An acetal-based polymeric crosslinker with controlled pH-sensitivity. RSC Advances, 2016, 6, 9604-9611.	1.7	11
100	A hyperbranched dopamine-containing PEG-based polymer for the inhibition of \hat{I}^{\pm} -synuclein fibrillation. Biochemical and Biophysical Research Communications, 2016, 469, 830-835.	1.0	23
101	A knot polymer mediated non-viral gene transfection for skin cells. Biomaterials Science, 2016, 4, 92-95.	2.6	18
102	Magnetically Controllable Polymer Nanotubes from a Cyclized Crosslinker for Site-Specific Delivery of Doxorubicin. Scientific Reports, 2015, 5, 17478.	1.6	16
103	Supramolecular Fluorescent Nanoparticles Constructed via Multiple Nonâ€Covalent Interactions for the Detection of Hydrogen Peroxide in Cancer Cells. Chemistry - A European Journal, 2015, 21, 11427-11434.	1.7	21
104	Hydrolytically Degradable Hyperbranched PEGâ€Polyester Adhesive with Low Swelling and Robust Mechanical Properties. Advanced Healthcare Materials, 2015, 4, 2260-2268.	3.9	37
105	Water soluble hyperbranched polymers from controlled radical homopolymerization of PEG diacrylate. RSC Advances, 2015, 5, 33823-33830.	1.7	24
106	Supramolecularly engineered phospholipids constructed by nucleobase molecular recognition: upgraded generation of phospholipids for drug delivery. Chemical Science, 2015, 6, 3775-3787.	3.7	56
107	Prospects for polymer therapeutics in Parkinson's disease and other neurodegenerative disorders. Progress in Polymer Science, 2015, 44, 79-112.	11.8	24
108	On-demand and negative-thermo-swelling tissue adhesive based on highly branched ambivalent PEGâ€catechol copolymers. Journal of Materials Chemistry B, 2015, 3, 6420-6428.	2.9	65

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109	A rapid crosslinking injectable hydrogel for stem cell delivery, from multifunctional hyperbranched polymers via RAFT homopolymerization of PEGDA. <i>Polymer Chemistry</i> , 2015, 6, 6182-6192.	1.9	46
110	Synthesis of polymer-silica hybrid microparticles with defined geometry using surface initiated atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2015, 6, 3014-3017.	1.9	4
111	Tailoring highly branched poly(β^2 -amino ester)s: a synthetic platform for epidermal gene therapy. <i>Chemical Communications</i> , 2015, 51, 8473-8476.	2.2	62
112	Computational Bench Testing to Evaluate the Short-Term Mechanical Performance of a Polymeric Stent. <i>Cardiovascular Engineering and Technology</i> , 2015, 6, 519-532.	0.7	44
113	Intramolecular Cyclization Dominating Homopolymerization of Multivinyl Monomers toward Single-Chain Cyclized/Knotted Polymeric Nanoparticles. <i>Macromolecules</i> , 2015, 48, 6882-6889.	2.2	37
114	Human parvovirus B19 infection induced pure red cell aplasia in liver transplant recipients. <i>International Journal of Clinical Practice</i> , 2015, 69, 29-34.	0.8	7
115	Highly Branched Poly(β^2 -Amino Esters): Synthesis and Application in Gene Delivery. <i>Biomacromolecules</i> , 2015, 16, 2609-2617.	2.6	82
116	Insights into relevant mechanistic aspects about the induction period of Cu ⁰ /Me ₆ TREN-mediated reversible-deactivation radical polymerization. <i>Chemical Communications</i> , 2015, 51, 14435-14438.	2.2	20
117	A 12-week subchronic intramuscular toxicity study of risperidone-loaded microspheres in rats. <i>Human and Experimental Toxicology</i> , 2015, 34, 205-223.	1.1	2
118	Hydrogels from dextran and soybean oil by UV photo-copolymerization. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	20
119	Bioapplications of hyperbranched polymers. <i>Chemical Society Reviews</i> , 2015, 44, 4023-4071.	18.7	258
120	Limb ischemic preconditioning attenuates cerebral ischemic injury in rat model. <i>Perfusion (United Tj ETQq0 0 0 rgBT/Overlock 10 Tf 00)</i>	0.5	7
121	A NOVEL ROLE OF PLASMA MEMBRANE CALCIUM ATPASE 4 AS A NEGATIVE-REGULATOR OF VEGF-INDUCED ANGIOGENESIS. <i>Heart</i> , 2014, 100, A17.1-A17.	1.2	0
122	Is it ATRP or SET-LRP? part I: Cu ⁰ &Cu ^{II} /PMDETA mediated reversible deactivation radical polymerization. <i>RSC Advances</i> , 2014, 4, 61687-61690.	1.7	15
123	Continual Exposure to Cigarette Smoke Extracts Induces Tumor-Like Transformation of Human Nontumor Bronchial Epithelial Cells in a Microfluidic Chip. <i>Journal of Thoracic Oncology</i> , 2014, 9, 1091-1100.	0.5	27
124	MicroRNA-30a-3p inhibits tumor proliferation, invasiveness and metastasis and is downregulated in hepatocellular carcinoma. <i>European Journal of Surgical Oncology</i> , 2014, 40, 1586-1594.	0.5	72
125	Nano-Structured Polymer-Silica Composite Derived from a Marine Diatom via Deactivation Enhanced Atom Transfer Radical Polymerization Grafting. <i>Small</i> , 2014, 10, 469-473.	5.2	17
126	Performance of an in situ formed bioactive hydrogel dressing from a PEG-based hyperbranched multifunctional copolymer. <i>Acta Biomaterialia</i> , 2014, 10, 2076-2085.	4.1	113

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127	Gene therapy: pursuing restoration of dermal adhesion in recessive dystrophic epidermolysis bullosa. <i>Experimental Dermatology</i> , 2014, 23, 1-6.	1.4	16
128	Role of adipose-derived stem cells in wound healing. <i>Wound Repair and Regeneration</i> , 2014, 22, 313-325.	1.5	277
129	Beyond Branching: Multiknot Structured Polymer for Gene Delivery. <i>Biomacromolecules</i> , 2014, 15, 4520-4527.	2.6	18
130	Hedgehog signaling induces osteosarcoma development through Yap1 and H19 overexpression. <i>Oncogene</i> , 2014, 33, 4857-4866.	2.6	136
131	In situ formed hybrid hydrogels from PEG based multifunctional hyperbranched copolymers: a RAFT approach. <i>Polymer Chemistry</i> , 2014, 5, 1838.	1.9	32
132	A biomimetic hyperbranched poly(amino ester)-based nanocomposite as a tunable bone adhesive for sternal closure. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4067.	2.9	66
133	Untying a nanoscale knotted polymer structure to linear chains for efficient gene delivery in vitro and to the brain. <i>Nanoscale</i> , 2014, 6, 7526-7533.	2.8	28
134	Significance of Branching for Transfection: Synthesis of Highly Branched Degradable Functional Poly(dimethylaminoethyl methacrylate) by Vinyl Oligomer Combination. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6095-6100.	7.2	74
135	A new generation of poly(lactide/ε-caprolactone) polymeric biomaterials for application in the medical field. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3573-3584.	2.1	35
136	Modified Sauvage-Kapandji procedure for restoration of forearm rotation in devascularized hands. <i>Irish Journal of Medical Science</i> , 2014, 183, 643-647.	0.8	2
137	Mussel-inspired hyperbranched poly(amino ester) polymer as strong wet tissue adhesive. <i>Biomaterials</i> , 2014, 35, 711-719.	5.7	205
138	Protection Against Ischemia-Reperfusion Injury in Aged Liver Donor by the Induction of Exogenous Human Telomerase Reverse Transcriptase Gene. <i>Transplantation Proceedings</i> , 2014, 46, 1567-1572.	0.3	8
139	Prevention of Bioprosthetic Heart Valve Calcification: Strategies and Outcomes. <i>Current Medicinal Chemistry</i> , 2014, 21, 2553-2564.	1.2	14
140	Encapsulation and 3D culture of human adipose-derived stem cells in an in-situ crosslinked hybrid hydrogel composed of PEG-based hyperbranched copolymer and hyaluronic acid. <i>Stem Cell Research and Therapy</i> , 2013, 4, 32.	2.4	120
141	Improved axonal regeneration of transected spinal cord mediated by multichannel collagen conduits functionalized with neurotrophin-3 gene. <i>Gene Therapy</i> , 2013, 20, 1149-1157.	2.3	57
142	Controlled homopolymerization of multi-vinyl monomers: dendritic polymers synthesized via an optimized ATRA reaction. <i>Chemical Communications</i> , 2013, 49, 10124.	2.2	11
143	Polymer gene delivery: overcoming the obstacles. <i>Drug Discovery Today</i> , 2013, 18, 1090-1098.	3.2	151
144	An in vitro approach for production of non-scar minicircle DNA vectors. <i>Journal of Biotechnology</i> , 2013, 166, 84-87.	1.9	8

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145	Thermoresponsive hyperbranched polymers via <i>In Situ</i> RAFT copolymerization of peg-based monomethacrylate and dimethacrylate monomers. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3751-3761.	2.5	16
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