

Zhiyong Qian

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184
papers

7,738
citations

51
h-index

80
g-index

196
ext. papers

9,595
ext. citations

9.5
avg, IF

6.27
L-index

#	Paper	IF	Citations
184	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. <i>Nature</i> , 2020 , 586, 572-577	50.4	348
183	A biodegradable hydrogel system containing curcumin encapsulated in micelles for cutaneous wound healing. <i>Biomaterials</i> , 2013 , 34, 6377-87	15.6	339
182	Biodegradable poly(epsilon-caprolactone)-poly(ethylene glycol) copolymers as drug delivery system. <i>International Journal of Pharmaceutics</i> , 2009 , 381, 1-18	6.5	295
181	Synthesis and characterization of PEG-PCL-PEG thermosensitive hydrogel. <i>International Journal of Pharmaceutics</i> , 2009 , 365, 89-99	6.5	281
180	Injectable and thermo-sensitive PEG-PCL-PEG copolymer/collagen/n-HA hydrogel composite for guided bone regeneration. <i>Biomaterials</i> , 2012 , 33, 4801-9	15.6	190
179	Photosensitizer Micelles Together with IDO Inhibitor Enhance Cancer Photothermal Therapy and Immunotherapy. <i>Advanced Science</i> , 2018 , 5, 1700891	13.6	180
178	Mild photothermal therapy/photodynamic therapy/chemotherapy of breast cancer by Lyp-1 modified Docetaxel/IR820 Co-loaded micelles. <i>Biomaterials</i> , 2016 , 106, 119-33	15.6	175
177	Cationic nanocarriers induce cell necrosis through impairment of Na(+)/K(+)-ATPase and cause subsequent inflammatory response. <i>Cell Research</i> , 2015 , 25, 237-53	24.7	162
176	Combined cancer photothermal-chemotherapy based on doxorubicin/gold nanorod-loaded polymersomes. <i>Theranostics</i> , 2015 , 5, 345-56	12.1	153
175	Oxygen-generating Hybrid Polymeric Nanoparticles with Encapsulated Doxorubicin and Chlorin e6 for Trimodal Imaging-Guided Combined Chemo-Photodynamic Therapy. <i>Theranostics</i> , 2018 , 8, 1558-1574	12.1	141
174	Thermoreversible gel-sol behavior of biodegradable PCL-PEG-PCL triblock copolymer in aqueous solutions. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008 , 84, 165-75	3.5	126
173	NIR-Responsive On-Demand Release of CO from Metal Carbonyl-Caged Graphene Oxide Nanomedicine. <i>Advanced Materials</i> , 2015 , 27, 6741-6	24	124
172	PEG-PCL based micelle hydrogels as oral docetaxel delivery systems for breast cancer therapy. <i>Biomaterials</i> , 2014 , 35, 6972-85	15.6	121
171	Biodegradable CSMA/PECA/Graphene Porous Hybrid Scaffold for Cartilage Tissue Engineering. <i>Scientific Reports</i> , 2015 , 5, 9879	4.9	108
170	Development of individualized anti-metastasis strategies by engineering nanomedicines. <i>Chemical Society Reviews</i> , 2015 , 44, 6258-86	58.5	96
169	Controlled release of cisplatin from pH-thermal dual responsive nanogels. <i>Biomaterials</i> , 2013 , 34, 8726-40	15.6	96
168	Mesoporous magnetic gold "nanoclusters" as theranostic carrier for chemo-photothermal co-therapy of breast cancer. <i>Theranostics</i> , 2014 , 4, 678-92	12.1	95

167	Poly(epsilon-caprolactone)-poly(ethylene glycol)-poly(epsilon-caprolactone) (PCL-PEG-PCL) nanoparticles for honokiol delivery in vitro. <i>International Journal of Pharmaceutics</i> , 2009 , 375, 170-6	6.5	95
166	MRI-guided and ultrasound-triggered release of NO by advanced nanomedicine. <i>Nanoscale</i> , 2017 , 9, 3637-3645	7.7	93
165	A biodegradable thermo-responsive hybrid hydrogel: therapeutic applications in preventing the post-operative recurrence of breast cancer. <i>NPG Asia Materials</i> , 2015 , 7, e207-e207	10.3	92
164	Tumor Microenvironment Responsive Drug-Dye-Peptide Nanoassembly for Enhanced Tumor-Targeting, Penetration, and Photo-Chemo-Immunotherapy. <i>Advanced Functional Materials</i> , 2019 , 29, 1900004	15.6	88
163	Microneedles-Based Transdermal Drug Delivery Systems: A Review. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 1581-1597	4	88
162	Redox/pH dual-stimuli responsive camptothecin prodrug nanogels for "on-demand" drug delivery. <i>Journal of Controlled Release</i> , 2019 , 296, 93-106	11.7	84
161	Perfluorocarbon-Loaded and Redox-Activatable Photosensitizing Agent with Oxygen Supply for Enhancement of Fluorescence/Photoacoustic Imaging Guided Tumor Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2019 , 29, 1806199	15.6	83
160	The use of cationic MPEG-PCL-g-PEI micelles for co-delivery of Msurvivin T34A gene and doxorubicin. <i>Biomaterials</i> , 2014 , 35, 4536-47	15.6	79
159	Porous Au@Pt Nanoparticles: Therapeutic Platform for Tumor Chemo-Photothermal Co-Therapy and Alleviating Doxorubicin-Induced Oxidative Damage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 150-164	9.5	77
158	Erythrocyte-Membrane-Coated Prussian Blue/Manganese Dioxide Nanoparticles as HO-Responsive Oxygen Generators To Enhance Cancer Chemotherapy/Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44410-44422	9.5	77
157	Intratumoral HO-triggered release of CO from a metal carbonyl-based nanomedicine for efficient CO therapy. <i>Chemical Communications</i> , 2017 , 53, 5557-5560	5.8	76
156	Engineering Nanoparticles for Targeted Delivery of Nucleic Acid Therapeutics in Tumor. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019 , 12, 1-18	6.4	75
155	Efficient inhibition of C-26 colon carcinoma by VSMP gene delivered by biodegradable cationic nanogel derived from polyethyleneimine. <i>ACS Nano</i> , 2010 , 4, 5573-84	16.7	74
154	Injectable biodegradable thermosensitive hydrogel composite for orthopedic tissue engineering. 1. Preparation and characterization of nanohydroxyapatite/poly(ethylene glycol)-poly(epsilon-caprolactone)-poly(ethylene glycol) hydrogel nanocomposites. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 16518-25	3.4	73
153	Noninvasive in vivo 3D bioprinting. <i>Science Advances</i> , 2020 , 6, eaba7406	14.3	72
152	Polymer hybrid magnetic nanocapsules encapsulating IR820 and PTX for external magnetic field-guided tumor targeting and multifunctional theranostics. <i>Nanoscale</i> , 2017 , 9, 2479-2491	7.7	71
151	"One-for-All"-Type, Biodegradable Prussian Blue/Manganese Dioxide Hybrid Nanocrystal for Trimodal Imaging-Guided Photothermal Therapy and Oxygen Regulation of Breast Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13875-13886	9.5	71
150	Improving anti-tumor activity with polymeric micelles entrapping paclitaxel in pulmonary carcinoma. <i>Nanoscale</i> , 2012 , 4, 6004-17	7.7	71

149	Aggregable Nanoparticles-Enabled Chemotherapy and Autophagy Inhibition Combined with Anti-PD-L1 Antibody for Improved Glioma Treatment. <i>Nano Letters</i> , 2019 , 19, 8318-8332	11.5	70
148	Novel Approach of Using Near-Infrared Responsive PEGylated Gold Nanorod Coated Poly(L-lactide) Microneedles to Enhance the Antitumor Efficiency of Docetaxel-Loaded MPEG-PDLLA Micelles for Treating an A431 Tumor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15317-15327	9.5	69
147	Gold nanorods together with HSP inhibitor-VER-155008 micelles for colon cancer mild-temperature photothermal therapy. <i>Acta Pharmaceutica Sinica B</i> , 2018 , 8, 587-601	15.5	69
146	Therapeutic application of injectable thermosensitive hydrogel in preventing local breast cancer recurrence and improving incision wound healing in a mouse model. <i>Nanoscale</i> , 2012 , 4, 5686-93	7.7	63
145	Fluorescence imaging guided CpG nanoparticles-loaded IR820-hydrogel for synergistic photothermal immunotherapy. <i>Biomaterials</i> , 2019 , 209, 111-125	15.6	59
144	Multifunctional Nanoparticle Loaded Injectable Thermoresponsive Hydrogel as NIR Controlled Release Platform for Local Photothermal Immunotherapy to Prevent Breast Cancer Postoperative Recurrence and Metastases. <i>Advanced Functional Materials</i> , 2020 , 30, 2001059	15.6	57
143	Real-Time Fluorescence Tracking of Protoporphyrin Incorporated Thermosensitive Hydrogel and Its Drug Release in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5104-13	9.5	57
142	Rationally designed peptide-conjugated gold/platinum nanosystem with active tumor-targeting for enhancing tumor photothermal-immunotherapy. <i>Journal of Controlled Release</i> , 2019 , 308, 29-43	11.7	56
141	Label-free alpha fetoprotein immunosensor established by the facile synthesis of a palladium-graphene nanocomposite. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 245-50	11.8	55
140	Injectable Alginate Hydrogel Cross-Linked by Calcium Gluconate-Loaded Porous Microspheres for Cartilage Tissue Engineering. <i>ACS Omega</i> , 2017 , 2, 443-454	3.9	54
139	Near-infrared responsive 5-fluorouracil and indocyanine green loaded MPEG-PCL nanoparticle integrated with dissolvable microneedle for skin cancer therapy. <i>Bioactive Materials</i> , 2020 , 5, 542-552	16.7	54
138	Polymeric Nanoparticles with ROS-Responsive Prodrug and Platinum Nanozyme for Enhanced Chemophotodynamic Therapy of Colon Cancer. <i>Advanced Science</i> , 2020 , 7, 2001853	13.6	53
137	Improving the anti-ovarian cancer activity of docetaxel with biodegradable self-assembly micelles through various evaluations. <i>Biomaterials</i> , 2015 , 53, 646-58	15.6	52
136	Intratumoral fate of functional nanoparticles in response to microenvironment factor: Implications on cancer diagnosis and therapy. <i>Advanced Drug Delivery Reviews</i> , 2019 , 143, 37-67	18.5	52
135	Injectable and Thermosensitive Hydrogel and PDLLA Electrospun Nanofiber Membrane Composites for Guided Spinal Fusion. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 4462-4470	9.5	51
134	Synthesis and characterization of novel dual-responsive nanogels and their application as drug delivery systems. <i>Nanoscale</i> , 2012 , 4, 2694-704	7.7	51
133	Graphene-Nanoparticle-Based Self-Healing Hydrogel in Preventing Postoperative Recurrence of Breast Cancer. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 768-779	5.5	50
132	An injectable photopolymerized hydrogel with antimicrobial and biocompatible properties for infected skin regeneration. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	46

131	Toxicity Evaluation and Anti-Tumor Study of Docetaxel Loaded mPEG-Polyester Micelles for Breast Cancer Therapy. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 393-408	4	44
130	Bioorthogonal Reaction-Mediated ELISA Using Peroxide Test Strip as Signal Readout for Point-of-Care Testing. <i>Analytical Chemistry</i> , 2017 , 89, 6113-6119	7.8	43
129	Enhanced 4T1 breast carcinoma anticancer activity by co-delivery of doxorubicin and curcumin with core-shell drug-carrier based on heparin modified poly(L-lactide) grafted polyethylenimine cationic nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 227-37	4	43
128	Biodegradable self-assembled PEG-PCL-PEG micelles for hydrophobic drug delivery, part 2: in vitro and in vivo toxicity evaluation. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 721-731	2.3	40
127	Preparation and Characterization of pH Sensitive Semi-interpenetrating Network Hydrogel Based on Methacrylic Acid, Bovine Serum Albumin (BSA), and PEG. <i>Journal of Polymer Research</i> , 2007 , 13, 349-355	2.7	39
126	Review of a new bone tumor therapy strategy based on bifunctional biomaterials. <i>Bone Research</i> , 2021 , 9, 18	13.3	39
125	Preparation and therapeutic application of docetaxel-loaded poly(d,l-lactide) nanofibers in preventing breast cancer recurrence. <i>Drug Delivery</i> , 2016 , 23, 2677-2685	7	38
124	Long-Acting Release Formulation of Exendin-4 Based on Biomimetic Mineralization for Type 2 Diabetes Therapy. <i>ACS Nano</i> , 2017 , 11, 5062-5069	16.7	37
123	Preparation of Tacrolimus loaded micelles based on poly(ϵ -caprolactone)-poly(ethylene glycol)-poly(ϵ -caprolactone). <i>International Journal of Pharmaceutics</i> , 2011 , 407, 184-9	6.5	37
122	Preparation of mannan modified anionic PCL-PEG-PCL nanoparticles at one-step for bFGF antigen delivery to improve humoral immunity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 64, 135-9	6	37
121	A Visible Codelivery Nanovaccine of Antigen and Adjuvant with Self-Carrier for Cancer Immunotherapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4876-4888	9.5	37
120	A Novel MPEG-PDLLA-PLL Copolymer for Docetaxel Delivery in Breast Cancer Therapy. <i>Theranostics</i> , 2017 , 7, 2652-2672	12.1	36
119	Preparation of camptothecin-loaded PCEC microspheres for the treatment of colorectal peritoneal carcinomatosis and tumor growth in mice. <i>Cancer Letters</i> , 2011 , 312, 189-96	9.9	36
118	Preparation of poly(ethylene glycol)/polylactide hybrid fibrous scaffolds for bone tissue engineering. <i>International Journal of Nanomedicine</i> , 2011 , 6, 3065-75	7.3	35
117	Ultrasmall CuS@BSA nanoparticles with mild photothermal conversion synergistically induce MSCs-differentiated fibroblast and improve skin regeneration. <i>Theranostics</i> , 2020 , 10, 1500-1513	12.1	35
116	Gold nanorods and nanohydroxyapatite hybrid hydrogel for preventing bone tumor recurrence via postoperative photothermal therapy and bone regeneration promotion. <i>Bioactive Materials</i> , 2021 , 6, 2221-2230	16.7	35
115	Sustained co-delivery of gemcitabine and cis-platinum via biodegradable thermo-sensitive hydrogel for synergistic combination therapy of pancreatic cancer. <i>Nano Research</i> , 2019 , 12, 1389-1399	10	34
114	Cascade Reaction-Mediated Assembly of Magnetic/Silver Nanoparticles for Amplified Magnetic Biosensing. <i>Analytical Chemistry</i> , 2018 , 90, 6906-6912	7.8	34

113	A novel gene delivery composite system based on biodegradable folate-poly (ester amine) polymer and thermosensitive hydrogel for sustained gene release. <i>Scientific Reports</i> , 2016 , 6, 21402	4.9	34
112	Synthesis, characterization and drug loading property of Monomethoxy-Poly(ethylene glycol)-Poly(ϵ -caprolactone)-Poly(D,L-lactide) (MPEG-PCLA) copolymers. <i>Scientific Reports</i> , 2016 , 6, 34069	4.9	33
111	Doxorubicin-Conjugated Heparin-Coated Superparamagnetic Iron Oxide Nanoparticles for Combined Anticancer Drug Delivery and Magnetic Resonance Imaging. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 1963-74	4	33
110	Targeting Therapy of Neuropilin-1 Receptors Overexpressed Breast Cancer by Paclitaxel-Loaded CK3-Conjugated Polymeric Micelles. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 2097-11	4	32
109	Injectable Hybrid Poly(ϵ -caprolactone)-poly(ethylene glycol)-poly(ϵ -caprolactone) Porous Microspheres/Alginate Hydrogel Cross-linked by Calcium Gluconate Crystals Deposited in the Pores of Microspheres Improved Skin Wound Healing. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1029-1036	5.5	31
108	Folate-modified Chitosan Nanoparticles Containing the IP-10 Gene Enhance Melanoma-specific Cytotoxic CD8(+)CD28(+) T Lymphocyte Responses. <i>Theranostics</i> , 2016 , 6, 752-61	12.1	30
107	Application of nanotechnology for enhancing photodynamic therapy via ameliorating, neglecting, or exploiting tumor hypoxia. <i>View</i> , 2020 , 1, e6	7.8	29
106	Multifunctional Nucleus-targeting Nanoparticles with Ultra-high Gene Transfection Efficiency for Gene Therapy. <i>Theranostics</i> , 2017 , 7, 1633-1649	12.1	29
105	Effects of Cetyltrimethylammonium Bromide on the Toxicity of Gold Nanorods Both In Vitro and In Vivo: Molecular Origin of Cytotoxicity and Inflammation. <i>Small Methods</i> , 2020 , 4, 1900799	12.8	28
104	Mitochondrial Surface Engineering for Multidrug Resistance Reversal. <i>Nano Letters</i> , 2019 , 19, 2905-2913	11.5	27
103	ROS-Responsive Camptothecin Prodrug Nanoparticles for On-Demand Drug Release and Combination of Chemotherapy and Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2020 , 30, 2005918	15.6	27
102	Chlorin e6 and CRISPR-Cas9 dual-loading system with deep penetration for a synergistic tumoral photodynamic-immunotherapy. <i>Biomaterials</i> , 2020 , 255, 120194	15.6	26
101	Acute oral toxicity evaluation of biodegradable and pH-sensitive hydrogel based on polycaprolactone, poly(ethylene glycol) and methylacrylic acid (MAA). <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 84, 589-97	5.4	26
100	Uricase and Horseradish Peroxidase Hybrid CaHPO ₄ Nanoflower Integrated with Transcutaneous Patches for Treatment of Hyperuricemia. <i>Journal of Biomedical Nanotechnology</i> , 2019 , 15, 951-965	4	26
99	PEG-derivatized octacosanol as micellar carrier for paclitaxel delivery. <i>International Journal of Pharmaceutics</i> , 2016 , 500, 345-59	6.5	25
98	Improving anticancer activity and reducing systemic toxicity of doxorubicin by self-assembled polymeric micelles. <i>Nanotechnology</i> , 2011 , 22, 095102	3.4	25
97	AgS nanoparticle-mediated multiple ablations reinvigorates the immune response for enhanced cancer photo-immunotherapy. <i>Biomaterials</i> , 2021 , 264, 120451	15.6	25
96	Recent Progress in Functional Micellar Carriers with Intrinsic Therapeutic Activities for Anticancer Drug Delivery. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 1598-1618	4	24

95	Improving long-term subcutaneous drug delivery by regulating material-bioenvironment interaction. <i>Advanced Drug Delivery Reviews</i> , 2018 , 127, 20-34	18.5	24
94	Lipoic acid stabilized DTX/IR780 micelles for photoacoustic/fluorescence imaging guided photothermal therapy/chemotherapy of breast cancer. <i>Biomaterials Science</i> , 2018 , 6, 1201-1216	7.4	24
93	Camptothecine encapsulated composite drug delivery system for colorectal peritoneal carcinomatosis therapy: biodegradable microsphere in thermosensitive hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 106, 93-101	6	24
92	Facile Construction of Chloroquine Containing PLGA-Based pDNA Delivery System for Efficient Tumor and Pancreatitis Targeting in Vitro and in Vivo. <i>Molecular Pharmaceutics</i> , 2015 , 12, 2167-79	5.6	23
91	Injectable Thermosensitive Hydrogel Containing Erlotinib-Loaded Hollow Mesoporous Silica Nanoparticles as a Localized Drug Delivery System for NSCLC Therapy. <i>Advanced Science</i> , 2020 , 7, 2001442	13.6	23
90	Peptide-Mediated Controllable Cross-Linking of Gold Nanoparticles for Immunoassays with Tunable Detection Range. <i>Analytical Chemistry</i> , 2018 , 90, 8234-8240	7.8	23
89	Two novel nanoscale preparations of micelle and thermosensitive hydrogel for docetaxel to treat malignant tumor. <i>Journal of Biomedical Nanotechnology</i> , 2013 , 9, 357-66	4	23
88	Recent progress in targeted delivery vectors based on biomimetic nanoparticles. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 225	21	23
87	Mannan Loaded Biodegradable and Injectable Thermosensitive PCL-PEG-PCL Hydrogel for Vaccine Delivery. <i>Soft Materials</i> , 2012 , 10, 472-486	1.7	22
86	Preparation of anionic poly(epsilon-caprolactone)-poly(ethylene glycol)-poly(epsilon-caprolactone) copolymeric nanoparticles as basic protein antigen carrier. <i>Growth Factors</i> , 2007 , 25, 202-208	1.6	22
85	Nanomicelle protects the immune activation effects of Paclitaxel and sensitizes tumors to anti-PD-1 Immunotherapy. <i>Theranostics</i> , 2020 , 10, 8382-8399	12.1	22
84	Near-Infrared Responsive PEGylated Gold Nanorod and Doxorubicin Loaded Dissolvable Hyaluronic Acid Microneedles for Human Epidermoid Cancer Therapy. <i>Advanced Therapeutics</i> , 2018 , 1, 1800008	4.9	22
83	Synthesis and Characterization of mPEG-PCL-g-PEI and Self-Assembled Nanoparticle Uptake in Vitro and in Vivo. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 21315-21321	3.8	21
82	An Injectable, Near-Infrared Light-Responsive Click Cross-Linked Azobenzene Hydrogel for Breast Cancer Chemotherapy. <i>Journal of Biomedical Nanotechnology</i> , 2019 , 15, 1923-1936	4	21
81	Micelles of methoxy poly(ethylene glycol)-poly(epsilon-caprolactone) as a novel drug delivery vehicle for tacrolimus. <i>Journal of Biomedical Nanotechnology</i> , 2013 , 9, 147-57	4	20
80	Magnetic iron oxide nanoparticles/10-hydroxy camptothecin co-loaded nanogel for enhanced photothermal-chemo therapy. <i>Applied Materials Today</i> , 2019 , 14, 84-95	6.6	20
79	Physical-, chemical-, and biological-responsive nanomedicine for cancer therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1581	9.2	20
78	Facile Coordination-Precipitation Route to Insoluble Metal Roussin® Black Salts for NIR-Responsive Release of NO for Anti-Metastasis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36473-36477	9.5	19

77	Bone-targeting melphalan prodrug with tumor-microenvironment sensitivity: Synthesis, in vitro and in vivo evaluation. <i>Chinese Chemical Letters</i> , 2018 , 29, 1609-1612	8.1	19
76	The evaluation of cellular uptake efficiency and tumor-targeting ability of MPEG-PDLLA micelles: effect of particle size. <i>RSC Advances</i> , 2016 , 6, 13698-13709	3.7	18
75	Negative regulation of cationic nanoparticle-induced inflammatory toxicity through the increased production of prostaglandin E2 via mitochondrial DNA-activated Ly6C monocytes. <i>Theranostics</i> , 2018 , 8, 3138-3152	12.1	18
74	Advances in nanotechnology-based delivery systems for EGFR tyrosine kinases inhibitors in cancer therapy. <i>Asian Journal of Pharmaceutical Sciences</i> , 2020 , 15, 26-41	9	18
73	Can nanoparticles and nano-protein interactions bring a bright future for insulin delivery?. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 651-667	15.5	18
72	A biodegradable thermosensitive hydrogel vaccine for cancer immunotherapy. <i>Applied Materials Today</i> , 2020 , 19, 100608	6.6	17
71	Redox-activatable photothermal therapy and enzyme-mediated tumor starvation for synergistic cancer therapy. <i>Nano Today</i> , 2021 , 39, 101174	17.9	17
70	Synthesis, characterization, and hydrolytic degradation of biodegradable poly(ether ester)-urethane copolymers based on ϵ -caprolactone and poly(ethylene glycol). <i>Journal of Applied Polymer Science</i> , 2009 , 113, 1111-1119	2.9	16
69	Mussel-inspired antimicrobial gelatin/chitosan tissue adhesive rapidly activated in situ by HO/ascorbic acid for infected wound closure. <i>Carbohydrate Polymers</i> , 2020 , 247, 116692	10.3	15
68	A simple method to improve the stability of docetaxel micelles. <i>Scientific Reports</i> , 2016 , 6, 36957	4.9	15
67	Preparation and ageing-resistant properties of polyester composites modified with functional nanoscale additives. <i>Nanoscale Research Letters</i> , 2014 , 9, 215	5	15
66	Synthesis, characterization, and acute oral toxicity evaluation of pH-sensitive hydrogel based on MPEG, poly(ϵ -caprolactone), and itaconic acid. <i>BioMed Research International</i> , 2013 , 2013, 239838	3	15
65	Synthesis and properties of a novel biodegradable poly(ester amine) copolymer based on poly(L-lactide) and low molecular weight polyethylenimine for gene delivery. <i>International Journal of Nanomedicine</i> , 2011 , 6, 1641-9	7.3	15
64	Polysaccharide hydrogels: Functionalization, construction and served as scaffold for tissue engineering.. <i>Carbohydrate Polymers</i> , 2022 , 278, 118952	10.3	15
63	Protein corona formed in the gastrointestinal tract and its impacts on oral delivery of nanoparticles. <i>Medicinal Research Reviews</i> , 2020 , 41, 1835	14.4	15
62	Cu-T Sensor for Versatile Analysis. <i>Analytical Chemistry</i> , 2018 , 90, 2833-2838	7.8	14
61	Tumor Neovasculature-Targeted APRPG-PEG-PDLLA/MPEG-PDLLA Mixed Micelle Loading Combretastatin A-4 for Breast Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1986-1999	5.5	14
60	Biodegradable and thermosensitive micelles inhibit ischemia-induced postoperative peritoneal adhesion. <i>International Journal of Nanomedicine</i> , 2014 , 9, 727-34	7.3	14

59	Regulation of tumor microenvironment for pancreatic cancer therapy. <i>Biomaterials</i> , 2021 , 270, 120680	15.6	14
58	Synthesis and characterization of pH and temperature sensitive hydrogel based on poly(N-isopropylacrylamide), poly(ϵ -caprolactone), methylacrylic acid, and methoxyl poly(ethylene glycol). <i>Macromolecular Research</i> , 2013 , 21, 870-877	1.9	13
57	Prevention of abdominal adhesion formation by thermosensitive PECE-hydrogel in a rat uterine horn model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011 , 96, 57-66	3.5	13
56	Camptothecin@HMSNs/thermosensitive hydrogel composite for applications in preventing local breast cancer recurrence. <i>Chinese Chemical Letters</i> , 2018 , 29, 1819-1823	8.1	13
55	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , 2021 , 1, 9-20		13
54	Which polymer is more suitable for etoposide: A comparison between two kinds of drug loaded polymeric micelles in vitro and in vivo?. <i>International Journal of Pharmaceutics</i> , 2015 , 495, 265-275	6.5	12
53	Ag ₂ S nanoparticles as an emerging single-component theranostic agent. <i>Chinese Chemical Letters</i> , 2020 , 31, 1717-1728	8.1	12
52	Functional Nanoparticles Activate a Decellularized Liver Scaffold for Blood Detoxification. <i>Small</i> , 2016 , 12, 2067-76	11	12
51	Preparation and in vitro characterization of dexamethasone-loaded poly(D,L-lactic acid) microspheres embedded in poly(ethylene glycol)-poly(ϵ -caprolactone)-poly(ethylene glycol) hydrogel for orthopedic tissue engineering. <i>Journal of Biomaterials Applications</i> , 2013 , 28, 288-97	2.9	12
50	In vitro Release Behavior of Bovine Serum Albumin from Alginate/P(CE-MAA-MEG) Composite Hydrogel. <i>Soft Materials</i> , 2010 , 8, 307-319	1.7	12
49	Current Status of Nonviral Vectors for Gene Therapy in China. <i>Human Gene Therapy</i> , 2018 , 29, 110-120	4.8	11
48	Fe-T Sensor Based on Coordination Chemistry for Sensitive and Versatile Bioanalysis. <i>Analytical Chemistry</i> , 2018 , 90, 9148-9155	7.8	11
47	Dexamethasone-loaded poly(D, L-lactic acid) microspheres/poly(ethylene glycol)-poly(ϵ -caprolactone)-poly(ethylene glycol) micelles composite for skin augmentation. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 592-602	4	11
46	Curcumin-Microsphere/IR820 Hybrid Bifunctional Hydrogels for In Situ Osteosarcoma Chemo--Thermal Therapy and Bone Reconstruction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 31542-31553	9.5	11
45	Cyclophosphamide loaded thermo-responsive hydrogel system synergize with a hydrogel cancer vaccine to amplify cancer immunotherapy in a prime-boost manner. <i>Bioactive Materials</i> , 2021 , 6, 3036-3048	16.7	11
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