Xintao Shuai

List of Publications by Year
in descending order

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205	13,145	16451 64	28297 105
papers	citations	h-index	g-index

215	215	215	14746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Micellar carriers based on block copolymers of poly(Îµ-caprolactone) and poly(ethylene glycol) for doxorubicin delivery. Journal of Controlled Release, 2004, 98, 415-426.	9.9	676
2	Magnetite-Loaded Polymeric Micelles as Ultrasensitive Magnetic-Resonance Probes. Advanced Materials, 2005, 17, 1949-1952.	21.0	443
3	cRGD-Functionalized Polymer Micelles for Targeted Doxorubicin Delivery. Angewandte Chemie - International Edition, 2004, 43, 6323-6327.	13.8	384
4	Interlayerâ€Crosslinked Micelle with Partially Hydrated Core Showing Reduction and pH Dual Sensitivity for Pinpointed Intracellular Drug Release. Angewandte Chemie - International Edition, 2011, 50, 9404-9408.	13.8	368
5	The depolymerization of chitosan: effects on physicochemical and biological properties. International Journal of Pharmaceutics, 2004, 281, 45-54.	5.2	328
6	Manganese ferrite nanoparticle micellar nanocomposites as MRI contrast agent for liver imaging. Biomaterials, 2009, 30, 2919-2928.	11.4	325
7	Core-Cross-Linked Polymeric Micelles as Paclitaxel Carriers. Bioconjugate Chemistry, 2004, 15, 441-448.	3.6	311
8	Synthesis, characterization and cytotoxicity of poly(ethylene glycol)-graft-trimethyl chitosan block copolymers. Biomaterials, 2005, 26, 6343-6356.	11.4	260
9	Design of Multifunctional Micelle for Tumorâ€Targeted Intracellular Drug Release and Fluorescent Imaging. Advanced Materials, 2012, 24, 115-120.	21.0	239
10	The synergistic effect of hierarchical assemblies of siRNA and chemotherapeutic drugs co-delivered into hepatic cancer cells. Biomaterials, 2011, 32, 2222-2232.	11.4	215
11	Compatibilization Effect of Poly(Îµ-caprolactone)-b-poly(ethylene glycol) Block Copolymers and Phase Morphology Analysis in Immiscible Poly(lactide)/Poly(Îµ-caprolactone) Blends. Biomacromolecules, 2002, 3, 1179-1186.	5.4	206
12	A Reduction and pH Dualâ€Sensitive Polymeric Vector for Longâ€Circulating and Tumorâ€Targeted siRNA Delivery. Advanced Materials, 2014, 26, 8217-8224.	21.0	198
13	Novel Biodegradable Ternary Copolymershy-PEI-g-PCL-b-PEG:Â Synthesis, Characterization, and Potential as Efficient Nonviral Gene Delivery Vectors. Macromolecules, 2003, 36, 5751-5759.	4.8	172
14	Mesoporous Polydopamine Carrying Manganese Carbonyl Responds to Tumor Microenvironment for Multimodal Imagingâ€Guided Cancer Therapy. Advanced Functional Materials, 2019, 29, 1900095.	14.9	168
15	Multifunctional nanocarrier mediated co-delivery of doxorubicin and siRNA for synergistic enhancement of glioma apoptosis in rat. Biomaterials, 2012, 33, 1170-1179.	11.4	164
16	Nanobubbles for enhanced ultrasound imaging of tumors. International Journal of Nanomedicine, 2012, 7, 895.	6.7	158
17	Tumor-penetrating codelivery of siRNA and paclitaxel with ultrasound-responsive nanobubbles hetero-assembled from polymeric micelles and liposomes. Biomaterials, 2014, 35, 5932-5943.	11.4	156
18	Ultrasound-sensitive siRNA-loaded nanobubbles formed by hetero-assembly of polymeric micelles and liposomes and their therapeutic effect in gliomas. Biomaterials, 2013, 34, 4532-4543.	11.4	152

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19	Micelles assembled with carbocyanine dyes for theranostic near-infrared fluorescent cancer imaging and photothermal therapy. Biomaterials, 2013, 34, 9124-9133.	11.4	145
20	Synthesis and thermal properties of novel star-shaped poly(l-lactide)s with starburst PAMAMâ€“OH dendrimer macroinitiator. Polymer, 2002, 43, 5819-5825.	3.8	143
21	Coâ€Đelivery of Doxorubicin and siRNA with Reduction and pH Dually Sensitive Nanocarrier for Synergistic Cancer Therapy. Small, 2014, 10, 2678-2687.	10.0	139
22	Amphiphilic Toothbrushlike Copolymers Based on Poly(ethylene glycol) and Poly(Îµ-caprolactone) as Drug Carriers with Enhanced Properties. Biomacromolecules, 2010, 11, 1331-1338.	5.4	136
23	M2-Like Tumor-Associated Macrophage-Targeted Codelivery of STAT6 Inhibitor and IKKÎ² siRNA Induces M2-to-M1 Repolarization for Cancer Immunotherapy with Low Immune Side Effects. ACS Central Science, 2020, 6, 1208-1222.	11.3	133
24	Folate-encoded and Fe3O4-loaded polymeric micelles for dual targeting of cancer cells. Polymer, 2008, 49, 3477-3485.	3.8	128
25	Synthesis and characterization of folate-PEG-grafted-hyperbranched-PEI for tumor-targeted gene delivery. Biochemical and Biophysical Research Communications, 2008, 367, 874-880.	2.1	128
26	Low molecular weight alkyl-polycation wrapped magnetite nanoparticle clusters as MRI probes for stem cell labeling and in vivo imaging. Biomaterials, 2011, 32, 528-537.	11.4	126
27	Nanodrug with dual-sensitivity to tumor microenvironment for immuno-sonodynamic anti-cancer therapy. Biomaterials, 2021, 269, 120636.	11.4	122
28	The use of folate-PEG-grafted-hybranched-PEI nonviral vector for the inhibition of glioma growth in the rat. Biomaterials, 2009, 30, 4014-4020.	11.4	113
29	Sulfated zwitterionic poly(sulfobetaine methacrylate) hydrogels promote complete skin regeneration. Acta Biomaterialia, 2018, 71, 293-305.	8.3	112
30	Polyethylenimine-grafted copolymer of poly(l-lysine) and poly(ethylene glycol) for gene delivery. Biomaterials, 2011, 32, 1694-1705.	11.4	111
31	Mesoporous polydopamine carrying sorafenib and SPIO nanoparticles for MRI-guided ferroptosis cancer therapy. Journal of Controlled Release, 2020, 320, 392-403.	9.9	108
32	Redox Responsive Metal Organic Framework Nanoparticles Induces Ferroptosis for Cancer Therapy. Small, 2020, 16, e2001251.	10.0	107
33	Formation of and Coalescence from the Inclusion Complex of a Biodegradable Block Copolymer and Î±-Cyclodextrin:â€‰ A Novel Means To Modify the Phase Structure of Biodegradable Block Copolymers. Macromolecules, 2001, 34, 7355-7361.	4.8	103
34	MRI-visible polymeric vector bearing CD3 single chain antibody for gene delivery to T cells for immunosuppression. Biomaterials, 2009, 30, 1962-1970.	11.4	103
35	Synthesis and Characterization of Star-Shaped Poly(l-lactide)s Initiated with Hydroxyl-Terminated Poly(Amidoamine) (PAMAM-OH) Dendrimers. Chemistry of Materials, 2003, 15, 2836-2843.	6.7	102
36	Supramolecular Gene Delivery Vectors Showing Enhanced Transgene Expression and Good Biocompatibility. Bioconjugate Chemistry, 2005, 16, 322-329.	3.6	101

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37	Diketopyrrolopyrrole-based carbon dots for photodynamic therapy. Nanoscale, 2018, 10, 10991-10998.	5.6	101
38	Inflammation-Targeted Celastrol Nanodrug Attenuates Collagen-Induced Arthritis through NF-ÎºB and Notch1 Pathways. Nano Letters, 2020, 20, 7728-7736.	9.1	101
39	Folate-functionalized polymeric micelle as hepatic carcinoma-targeted, MRI-ultrasensitive delivery system of antitumor drugs. Biomedical Microdevices, 2008, 10, 693-700.	2.8	95
40	Dual pH-sensitive nanodrug blocks PD-1 immune checkpoint and uses T cells to deliver NF-ÎºB inhibitor for antitumor immunotherapy. Science Advances, 2020, 6, eaay7785.	10.3	95
41	Multifunctional Nanoregulator Reshapes Immune Microenvironment and Enhances Immune Memory for Tumor Immunotherapy. Advanced Science, 2019, 6, 1900037.	11.2	94
42	Synthesis of Star Block Copolymers from Dendrimer Initiators by Combining Ring-Opening Polymerization and Atom Transfer Radical Polymerization. Macromolecules, 2004, 37, 8854-8862.	4.8	93
43	Ultrasensitive detection of lead(ii) with DNAzyme and gold nanoparticles probes by using a dynamic light scattering technique. Chemical Communications, 2011, 47, 4192.	4.1	92
44	Drug and gene co-delivery systems for cancer treatment. Biomaterials Science, 2015, 3, 1035-1049.	5.4	89
45	Copolymer of poly(ethylene glycol) and poly(<scp>l</scp>-lysine) grafting polyethylenimine through a reducible disulfide linkage for siRNA delivery. Nanoscale, 2014, 6, 1732-1740.	5.6	87
46	Perfluorohexane-cored nanodroplets for stimulations-responsive ultrasonography and O 2 -potentiated photodynamic therapy. Biomaterials, 2018, 175, 61-71.	11.4	87
47	The investigation of polymer-siRNA nanoparticle for gene therapy of gastric cancer in vitro. International Journal of Nanomedicine, 2010, 5, 129.	6.7	85
48	Size-Modulable Nanoprobe for High-Performance Ultrasound Imaging and Drug Delivery against Cancer. ACS Nano, 2018, 12, 3449-3460.	14.6	84
49	Nanomedicineâ€Boosting Tumor Immunogenicity for Enhanced Immunotherapy. Advanced Functional Materials, 2021, 31, 2011171.	14.9	84
50	Molecular Nanoworm with PCL Core and PEO Shell as a Nonâ€spherical Carrier for Drug Delivery. Macromolecular Rapid Communications, 2012, 33, 1351-1355.	3.9	83
51	Aortic plaque-targeted andrographolide delivery with oxidation-sensitive micelle effectively treats atherosclerosis via simultaneous ROS capture and anti-inflammation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2215-2226.	3.3	82
52	Targeting EGFR-overexpressing tumor cells using Cetuximab-immunomicelles loaded with doxorubicin and superparamagnetic iron oxide. European Journal of Radiology, 2010, 80, 699-705.	2.6	80
53	Codelivery of Antiâ€PDâ€1 Antibody and Paclitaxel with Matrix Metalloproteinase and pH Dualâ€Sensitive Micelles for Enhanced Tumor Chemoimmunotherapy. Small, 2020, 16, e1906832.	10.0	80
54	Miscibility and phase structure of binary blends of poly(L-lactide) and poly(vinyl alcohol). Journal of Applied Polymer Science, 2001, 81, 762-772.	2.6	76

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55	Photothermo-chemotherapy of cancer employing drug leakage-free gold nanoshells. Biomaterials, 2016, 78, 40-49.	11.4	75
56	Age-Related Decline in Reendothelialization Capacity of Human Endothelial Progenitor Cells Is Restored by Shear Stress. Hypertension, 2012, 59, 1225-1231.	2.7	74
57	Co-Delivery of Doxorubicin and Anti-BCL-2 siRNA by pH-Responsive Polymeric Vector to Overcome Drug Resistance in In Vitro and In Vivo HepG2 Hepatoma Model. Biomacromolecules, 2018, 19, 2248-2256.	5.4	74
58	Folateâ€functionalized polymeric micelles for tumor targeted delivery of a potent multidrugâ€resistance modulator FG020326. Journal of Biomedical Materials Research - Part A, 2008, 86A, 48-60.	4.0	72
59	Interactions between self-assembled polyelectrolyte shells and tumor cells. Journal of Biomedical Materials Research - Part A, 2005, 73A, 303-312.	4.0	70
60	Stereoselectivity in the Formation of Crystalline Inclusion Complexes of Poly(3-hydroxybutyrate)s with Cyclodextrins. Macromolecules, 2002, 35, 3778-3780.	4.8	69
61	InÂvivo monitoring of neural stem cells after transplantation in acute cerebral infarction with dual-modal MR imaging and optical imaging. Biomaterials, 2014, 35, 4627-4635.	11.4	69
62	Inclusion Complex Formation between Î±,Î³-Cyclodextrins and a Triblock Copolymer and the Cyclodextrin-Type-Dependent Microphase Structures of Their Coalesced Samples. Macromolecules, 2002, 35, 2401-2405.	4.8	68
63	Formation of and Coalescence from the Inclusion Complex of a Biodegradable Block Copolymer and Î±-Cyclodextrin. 2:â€A Novel Way To Regulate the Biodegradation Behavior of Biodegradable Block Copolymers. Biomacromolecules, 2002, 3, 201-207.	5.4	67
64	Simultaneous Diagnosis and Gene Therapy of Immuno-Rejection in Rat Allogeneic Heart Transplantation Model Using a T-Cell-Targeted Theranostic Nanosystem. ACS Nano, 2012, 6, 10646-10657.	14.6	65
65	Theranostic Nanomedicine for Synergistic Chemodynamic Therapy and Chemotherapy of Orthotopic Glioma. Advanced Science, 2020, 7, 2003036.	11.2	65
66	Formation of Inclusion Complexes of Poly(3-hydroxybutyrate)s with Cyclodextrins. 1. Immobilization of Atactic Poly(R,S-3-hydroxybutyrate) and Miscibility Enhancement between Poly(R,S-3-hydroxybutyrate) and Poly(Îµ-caprolactone). Macromolecules, 2002, 35, 3126-3132.	4.8	64
67	Nonclustered magnetite nanoparticle encapsulated biodegradable polymeric micelles with enhanced properties for in vivo tumor imaging. Journal of Materials Chemistry, 2011, 21, 4796.	6.7	62
68	Nanodrug with ROS and pH Dualâ€Sensitivity Ameliorates Liver Fibrosis via Multicellular Regulation. Advanced Science, 2020, 7, 1903138.	11.2	59
69	Multifunctional Nanodrug Mediates Synergistic Photodynamic Therapy and MDSCsâ€Targeting Immunotherapy of Colon Cancer. Advanced Science, 2021, 8, e2100712.	11.2	59
70	Suppression of pancreatic tumor growth by targeted arsenic delivery with anti-CD44v6 single chain antibody conjugated nanoparticles. Biomaterials, 2013, 34, 6175-6184.	11.4	58
71	Synergistic MicroRNA Therapy in Liver Fibrotic Rat Using MRIâ€Visible Nanocarrier Targeting Hepatic Stellate Cells. Advanced Science, 2019, 6, 1801809.	11.2	58
72	Melting and Crystallization Behaviors of Biodegradable Polymers Enzymatically Coalesced from Their Cyclodextrin Inclusion Complexes. Biomacromolecules, 2003, 4, 783-792.	5.4	57

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73	Coreâ€“Shell Distinct Nanodrug Showing On-Demand Sequential Drug Release To Act on Multiple Cell Types for Synergistic Anticancer Therapy. ACS Nano, 2019, 13, 7036-7049.	14.6	57
74	Interactions between an Anticancer Drug and Polymeric Micelles Based on Biodegradable Polyesters. Macromolecular Bioscience, 2008, 8, 1116-1125.	4.1	56
75	Characterization of polyethylene glycol-grafted polyethylenimine and superparamagnetic iron oxide nanoparticles (PEG-g-PEI-SPION) as an MRI-visible vector for siRNA delivery in gastric cancer in vitro and in vivo. Journal of Gastroenterology, 2013, 48, 809-821.	5.1	52
76	Stimuli-Responsive Polymeric Nanocarriers for Efficient Gene Delivery. Topics in Current Chemistry, 2017, 375, 27.	5.8	52
77	Nanotubular topography enhances the bioactivity of titanium implants. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1913-1923.	3.3	51
78	Codelivery of temozolomide and siRNA with polymeric nanocarrier for effective glioma treatment. International Journal of Nanomedicine, 2018, Volume 13, 3467-3480.	6.7	50
79	A pH-sensitive polymeric nanovesicle based on biodegradable poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (gl Materials Chemistry, 2011, 21, 15316.	6.7	49
80	Delivery of cationic polymer-siRNA nanoparticles for gene therapies in neural regeneration. Biochemical and Biophysical Research Communications, 2012, 421, 690-695.	2.1	48
81	Dynamicâ€Lightâ€Scatteringâ€Based Sequenceâ€Specific Recognition of Doubleâ€Stranded DNA with Oligonucleotideâ€Functionalized Gold Nanoparticles. Chemistry - A European Journal, 2011, 17, 11230-11236.	3.3	46
82	An MRI-visible non-viral vector for targeted Bcl-2 siRNA delivery to neuroblastoma. International Journal of Nanomedicine, 2012, 7, 3319.	6.7	46
83	Enhanced apoptosis of ovarian cancer cells via nanocarrier-mediated codelivery of siRNA and doxorubicin. International Journal of Nanomedicine, 2012, 7, 3823.	6.7	46
84	Codelivery of sorafenib and GPC3 siRNA with PEI-modified liposomes for hepatoma therapy. Biomaterials Science, 2017, 5, 2468-2479.	5.4	45
85	Nanomedicines reveal how PBOV1 promotes hepatocellular carcinoma for effective gene therapy. Nature Communications, 2018, 9, 3430.	12.8	44
86	Efficient suppression of secretory clusterin levels by polymer-siRNA nanocomplexes enhances ionizing radiation lethality in human MCF-7 breast cancer cells in vitro. International Journal of Nanomedicine, 2006, 1, 155-162.	6.7	44
87	pH-Sensitive Nanomicelles for Controlled and Efficient Drug Delivery to Human Colorectal Carcinoma LoVo Cells. PLoS ONE, 2014, 9, e100732.	2.5	43
88	Polymeric vector-mediated gene transfection of MSCs for dual bioluminescent and MRI tracking inÂvivo. Biomaterials, 2014, 35, 8249-8260.	11.4	43
89	Theranostical nanosystemâ€mediated identification of an oncogene and highly effective therapy in hepatocellular carcinoma. Hepatology, 2016, 63, 1240-1255.	7.3	42
90	Surgical Tumor-Derived Photothermal Nanovaccine for Personalized Cancer Therapy and Prevention. Nano Letters, 2022, 22, 3095-3103.	9.1	42

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91	Molecular imaging nanoprobes for theranostic applications. Advanced Drug Delivery Reviews, 2022, 186, 114320.	13.7	41
92	Combination of siRNA-directed Kras oncogene silencing and arsenic-induced apoptosis using a nanomedicine strategy for the effective treatment of pancreatic cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 463-472.	3.3	40
93	Ultrasound-responsive microbubbles for sonography-guided siRNA delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1139-1149.	3.3	39
94	pH-Sensitive Nanocarrier-Mediated Codelivery of Simvastatin and Noggin siRNA for Synergistic Enhancement of Osteogenesis. ACS Applied Materials & Interfaces, 2018, 10, 28471-28482.	8.0	39
95	Enzymatic Degradation of Atactic Poly(R,S-3-hydroxybutyrate) Induced by Amorphous Polymers and the Enzymatic Degradation Temperature Window of an Amorphous Polymer System. Biomacromolecules, 2001, 2, 1045-1051.	5.4	38
96	Co-delivery of doxorubicin and arsenite with reduction and pH dual-sensitive vesicle for synergistic cancer therapy. Nanoscale, 2016, 8, 12608-12617.	5.6	38
97	Synthesis of novel dendrimer-like star block copolymers with definite numbers of arms by combination of ROP and ATRPElectronic supplementary information (ESI) available: Complete experimental procedures; NMR spectra of CMG3-OH and CMG3-PLLA. See http://www.rsc.org/suppdata/cc/b4/b404143g/. Chemical Communications, 2004, , 1608.	4.1	37
98	A highly sensitive sensor for Cu2+ with unmodified gold nanoparticles and DNAzyme by using the dynamic light scattering technique. Analyst, The, 2012, 137, 3064.	3.5	37
99	Molecular Probe Crossing Bloodâ€“Brain Barrier for Bimodal Imagingâ€“Guided Photothermal/Photodynamic Therapies of Intracranial Glioblastoma. Advanced Functional Materials, 2020, 30, 1909117.	14.9	37
100	The long-term fate of mesenchymal stem cells labeled with magnetic resonance imaging-visible polymersomes in cerebral ischemia. International Journal of Nanomedicine, 2017, Volume 12, 6705-6719.	6.7	36
101	Polydopamine-Encapsulated Perfluorocarbon for Ultrasound Contrast Imaging and Photothermal Therapy. Molecular Pharmaceutics, 2020, 17, 817-826.	4.6	36
102	Nanomedicine Directs Neuronal Differentiation of Neural Stem Cells via Silencing Long Noncoding RNA for Stroke Therapy. Nano Letters, 2021, 21, 806-815.	9.1	36
103	Chromosomal translocation-derived aberrant Rab22a drives metastasis of osteosarcoma. Nature Cell Biology, 2020, 22, 868-881.	10.3	35
104	Dual-Sensitive PEG-Sheddable Nanodrug Hierarchically Incorporating PD-L1 Antibody and Zinc Phthalocyanine for Improved Immuno-Photodynamic Therapy. ACS Applied Materials & Interfaces, 2021, 13, 12845-12856.	8.0	35
105	Chitosan-graft-poly(Îµ-caprolactone)s: An optimized chemical approach leading to a controllable structure and enhanced properties. Journal of Polymer Science Part A, 2007, 45, 2556-2568.	2.3	34
106	A pH-sensitive nanomedicine incorporating catalase gene and photosensitizer augments photodynamic therapy and activates antitumor immunity. Nano Today, 2022, 43, 101390.	11.9	32
107	Intimate blend of poly(ethylene terephthalate) and poly(ethylene 2,6-naphthalate) via formation with and coalescence from their common inclusion compound with ?-cyclodextrin. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 139-148.	2.1	31
108	A pH-sensitive prodrug micelle self-assembled from multi-doxorubicin-tailed polyethylene glycol for cancer therapy. RSC Advances, 2016, 6, 9160-9163.	3.6	31

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109	MRIâ€Visible siRNA Nanomedicine Directing Neuronal Differentiation of Neural Stem Cells in Stroke. Advanced Functional Materials, 2018, 28, 1706769.	14.9	31
110	Catalytic rhodium (Rh)-based (mesoporous polydopamine) MPDA nanoparticles with enhanced phototherapeutic efficiency for overcoming tumor hypoxia. Biomaterials Science, 2020, 8, 4157-4165.	5.4	31
111	GSHâ€Responsive Metalâ€“Organic Framework for Intratumoral Release of NO and IDO Inhibitor to Enhance Antitumor Immunotherapy. Small, 2022, 18, e2107732.	10.0	31
112	Magnetic Resonance Imaging-Visible and pH-Sensitive Polymeric Micelles for Tumor Targeted Drug Delivery. Journal of Biomedical Nanotechnology, 2014, 10, 216-226.	1.1	30
113	Synthesis and Characterization of pHâ€Responsive Copolypeptides Vesicles for siRNA and Chemotherapeutic Drug Coâ€Delivery. Macromolecular Bioscience, 2015, 15, 1497-1506.	4.1	30
114	Gold nanocage decorated pH-sensitive micelle for highly effective photothermo-chemotherapy and photoacoustic imaging. Acta Biomaterialia, 2017, 64, 223-236.	8.3	30
115	MRI-visible and pH-sensitive micelles loaded with doxorubicin for hepatoma treatment. Biomaterials Science, 2019, 7, 1529-1542.	5.4	30
116	A reduction and pH dual-sensitive nanodrug for targeted theranostics in hepatocellular carcinoma. Biomaterials Science, 2020, 8, 3485-3499.	5.4	30
117	Enzymatic synthesis of polyesters from hydroxyl acids. European Polymer Journal, 1999, 35, 721-725.	5.4	29
118	Morphology and dynamics of the poly(Îµ-caprolactone)-b-poly(L-lactide) diblock copolymer and its inclusion compound with Î±-cyclodextrin: A solid-state13C NMR study. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2086-2096.	2.1	29
119	Development of an MRI-visible nonviral vector for siRNA delivery targeting gastric cancer. International Journal of Nanomedicine, 2012, 7, 359.	6.7	29
120	Biomimetic nanoparticles for effective mild temperature photothermal therapy and multimodal imaging. Journal of Controlled Release, 2022, 347, 270-281.	9.9	29
121	Superparamagnetic Iron Oxide-Loaded Cationic Polymersomes for Cellular MR Imaging of Therapeutic Stem Cells in Stroke. Journal of Biomedical Nanotechnology, 2016, 12, 2112-2124.	1.1	28
122	Construction of negatively charged and environment-sensitive nanomedicine for tumor-targeted efficient siRNA delivery. Chemical Communications, 2016, 52, 1194-1197.	4.1	28
123	Near-Infrared-Light-Induced Morphology Transition of Poly(ether amine) Nanoparticles for Supersensitive Drug Release. ACS Applied Materials & Interfaces, 2018, 10, 7413-7421.	8.0	28
124	Manipulation of the Nanoscale Presentation of Integrin Ligand Produces Cancer Cells with Enhanced Stemness and Robust Tumorigenicity. Nano Letters, 2021, 21, 3225-3236.	9.1	28
125	Molecular mixing of incompatible polymers through formation of and coalescence from their common crystalline cyclodextrin inclusion compounds. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 4207-4224.	2.1	27
126	Detection of Pb2+ at attomole levels by using dynamic light scattering and unmodified gold nanoparticles. Analytical Biochemistry, 2012, 421, 582-586.	2.4	27

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127	Highly uniform ultrasound-sensitive nanospheres produced by a pH-induced micelle-to-vesicle transition for tumor-targeted drug delivery. Nano Research, 2018, 11, 3710-3721.	10.4	27
128	Local delivery of sunitinib and Ce6 via redox-responsive zwitterionic hydrogels effectively prevents osteosarcoma recurrence. Journal of Materials Chemistry B, 2020, 8, 6418-6428.	5.8	27
129	Scaffold 3Dâ€Printed from Metallic Nanoparticlesâ€Containing Ink Simultaneously Eradicates Tumor and Repairs Tumorâ€Associated Bone Defects. Small Methods, 2021, 5, e2100536.	8.6	27
130	Tumor-penetrating peptide modified and pH-sensitive polyplexes for tumor targeted siRNA delivery. Polymer Chemistry, 2016, 7, 3857-3863.	3.9	26
131	A novel polymeric micelle used for in vivo MR imaging tracking of neural stem cells in acute ischemic stroke. RSC Advances, 2017, 7, 15041-15052.	3.6	26
132	Oneâ€Pot Approach to Fe²⁺/Fe³⁺â€Based MOFs with Enhanced Catalytic Activity for Fenton Reaction. Advanced Healthcare Materials, 2021, 10, e2100780.	7.6	26
133	Supramolecular micellization and pHâ€inducible gelation of a hydrophilic block copolymer by blockâ€specific threading of Î±â€cyclodextrin. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 782-790.	2.1	25
134	Miscibility of block copolymers of poly(?-caprolactone) and poly(ethylene glycol) with poly(3-hydroxybutyrate) as well as the compatibilizing effect of these copolymers in blends of poly(?-caprolactone) and poly(3-hydroxybutyrate). Journal of Applied Polymer Science, 2001, 80, 2600-2608.	2.6	24
135	Self-Assembly of SiO₂/Gd-DTPA-Polyethylenimine Nanocomposites as Magnetic Resonance Imaging Probes. Journal of Nanoscience and Nanotechnology, 2010, 10, 540-548.	0.9	24
136	Sensitive detection of glucose in human serum with oligonucleotide modified gold nanoparticles by using dynamic light scattering technique. Biosensors and Bioelectronics, 2013, 41, 880-883.	10.1	23
137	Controllable labelling of stem cells with a novel superparamagnetic iron oxideâ€“loaded cationic nanovesicle for MR imaging. European Radiology, 2012, 22, 2328-2337.	4.5	22
138	Pigment epithelium-derived factor gene loaded in cRGDâ€“PEGâ€“PEI suppresses colorectal cancer growth by targeting endothelial cells. International Journal of Pharmaceutics, 2012, 438, 1-10.	5.2	22
139	A pH-sensitive micelle for codelivery of siRNA and doxorubicin to hepatoma cells. Polymer, 2014, 55, 3217-3226.	3.8	22
140	Biomimetic Presentation of Cryptic Ligands via Single-Chain Nanogels for Synergistic Regulation of Stem Cells. ACS Nano, 2020, 14, 4027-4035.	14.6	22
141	A pH and reduction dual-sensitive polymeric nanomicelle for tumor microenvironment triggered cellular uptake and controlled intracellular drug release. Biomaterials Science, 2019, 7, 3821-3831.	5.4	21
142	Cleavable bimetallic-organic polymers for ROS mediated cascaded cancer therapy under the guidance of MRI through tumor hypoxia relief strategy. Science China Chemistry, 2020, 63, 936-945.	8.2	21
143	Controlling the Behaviors of Biodegradable/Bioabsorbable Polymers with Cyclodextrins. Journal of Polymers and the Environment, 2004, 12, 157-163.	5.0	20
144	Reduction and pH dual-sensitive nanovesicles co-delivering doxorubicin and gefitinib for effective tumor therapy. RSC Advances, 2018, 8, 2082-2091.	3.6	20

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145	Nanostructuring polymers with cyclodextrins. Polymers for Advanced Technologies, 2005, 16, 269-275.	3.2	19
146	Chitosan coated gold nanorod chelating gadolinium for MRI-visible photothermal therapy of cancer. RSC Advances, 2016, 6, 111337-111344.	3.6	19
147	Ultrasound Imaging Based on Molecular Targeting for Quantitative Evaluation of Hepatic Ischemiaâ€“Reperfusion Injury. American Journal of Transplantation, 2017, 17, 3087-3097.	4.7	19
148	Theranostic Nanomedicine Carrying Lâ€Menthol and Nearâ€Infrared Dye for Multimodal Imagingâ€Guided Photothermal Therapy of Cancer. Advanced Healthcare Materials, 2019, 8, e1900409.	7.6	19
149	Regulated pH-Responsive Polymeric Micelles for Doxorubicin Delivery to the Nucleus of Liver Cancer Cells. Journal of Biomedical Nanotechnology, 2016, 12, 1258-1269.	1.1	18
150	Recent development of gene therapy for pancreatic cancer using non-viral nanovectors. Biomaterials Science, 2021, 9, 6673-6690.	5.4	18
151	Nanomedicine promotes ferroptosis to inhibit tumour proliferation in vivo. Redox Biology, 2021, 42, 101908.	9.0	18
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