Mingwu Shen

List of Publications by Year
in descending order

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Version: 2024-02-01

		6592	16127
295	20,617	79	124
papers	citations	h-index	g-index

297	297	297	19174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biodegradable Polymer Nanogels for Drug/Nucleic Acid Delivery. Chemical Reviews, 2015, 115, 8564-8608.	23.0	401
2	PEGylated dendrimer-entrapped gold nanoparticles for inÂvivo blood pool and tumor imaging by computed tomography. Biomaterials, 2012, 33, 1107-1119.	5.7	367
3	Hyaluronic acid-modified Fe3O4@Au core/shell nanostars for multimodal imaging and photothermal therapy of tumors. Biomaterials, 2015, 38, 10-21.	5.7	362
4	Dendrimer-Entrapped Gold Nanoparticles as a Platform for Cancer-Cell Targeting and Imaging. Small, 2007, 3, 1245-1252.	5.2	314
5	Construction of iron oxide nanoparticle-based hybrid platforms for tumor imaging and therapy. Chemical Society Reviews, 2018, 47, 1874-1900.	18.7	300
6	Enhanced Proliferation and Osteogenic Differentiation of Mesenchymal Stem Cells on Graphene Oxide-Incorporated Electrospun Poly(lactic-co-glycolic acid) Nanofibrous Mats. ACS Applied Materials & Interfaces, 2015, 7, 6331-6339.	4.0	285
7	Dendrimerâ€Functionalized Shellâ€crosslinked Iron Oxide Nanoparticles for Inâ€Vivo Magnetic Resonance Imaging of Tumors. Advanced Materials, 2008, 20, 1671-1678.	11.1	271
8	Facile Hydrothermal Synthesis of Iron Oxide Nanoparticles with Tunable Magnetic Properties. Journal of Physical Chemistry C, 2009, 113, 13593-13599.	1.5	267
9	Facile Hydrothermal Synthesis and Surface Functionalization of Polyethyleneimine-Coated Iron Oxide Nanoparticles for Biomedical Applications. ACS Applied Materials & Interfaces, 2013, 5, 1722-1731.	4.0	265
10	Targeted dual-contrast T1- and T2-weighted magnetic resonance imaging of tumors using multifunctional gadolinium-labeled superparamagnetic iron oxide nanoparticles. Biomaterials, 2011, 32, 4584-4593.	5.7	256
11	Electrospun poly(lactic-co-glycolic acid)/halloysite nanotube composite nanofibers for drug encapsulation and sustained release. Journal of Materials Chemistry, 2010, 20, 10622.	6.7	249
12	Polyethyleneimine-mediated synthesis of folic acid-targeted iron oxide nanoparticles for inÂvivo tumor MR imaging. Biomaterials, 2013, 34, 8382-8392.	5.7	245
13	Multifunctional dendrimer-entrapped gold nanoparticles for dual mode CT/MR imaging applications. Biomaterials, 2013, 34, 1570-1580.	5.7	242
14	Characterization and antibacterial activity of amoxicillin-loaded electrospun nano-hydroxyapatite/poly(lactic-co-glycolic acid) composite nanofibers. Biomaterials, 2013, 34, 1402-1412.	5.7	240
15	Hyaluronic acid-modified hydrothermally synthesized iron oxide nanoparticles for targeted tumor MR imaging. Biomaterials, 2014, 35, 3666-3677.	5.7	236
16	Water-soluble superparamagnetic manganese ferrite nanoparticles for magnetic resonance imaging. Biomaterials, 2010, 31, 3667-3673.	5.7	234
17	Gene delivery using dendrimer-entrapped gold nanoparticles as nonviral vectors. Biomaterials, 2012, 33, 3025-3035.	5.7	226
18	Computed tomography imaging of cancer cells using acetylated dendrimer-entrapped gold nanoparticles. Biomaterials, 2011, 32, 2979-2988.	5.7	214

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19	Targeted CT/MR dual mode imaging of tumors using multifunctional dendrimer-entrapped gold nanoparticles. Biomaterials, 2013, 34, 5200-5209.	5.7	206
20	Folic acid-modified dendrimer-entrapped gold nanoparticles as nanoprobes for targeted CT imaging of human lung adencarcinoma. Biomaterials, 2013, 34, 470-480.	5.7	203
21	Silicaâ€Coated Manganese Oxide Nanoparticles as a Platform for Targeted Magnetic Resonance and Fluorescence Imaging of Cancer Cells. Advanced Functional Materials, 2010, 20, 1733-1741.	7.8	197
22	Formation of Gold Nanostar-Coated Hollow Mesoporous Silica for Tumor Multimodality Imaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2017, 9, 5817-5827.	4.0	188
23	Encapsulation of 2-methoxyestradiol within multifunctional poly(amidoamine) dendrimers for targeted cancer therapy. Biomaterials, 2011, 32, 3322-3329.	5.7	184
24	Targeted cancer theranostics using alpha-tocopheryl succinate-conjugated multifunctional dendrimer-entrapped gold nanoparticles. Biomaterials, 2014, 35, 7635-7646.	5.7	182
25	Efficient Catalytic Reduction of Hexavalent Chromium Using Palladium Nanoparticle-Immobilized Electrospun Polymer Nanofibers. ACS Applied Materials & Interfaces, 2012, 4, 3054-3061.	4.0	179
26	Facile immobilization of gold nanoparticles into electrospun polyethyleneimine/polyvinyl alcohol nanofibers for catalytic applications. Journal of Materials Chemistry, 2011, 21, 4493.	6.7	178
27	Encapsulation of Amoxicillin within Laponite-Doped Poly(lactic-co-glycolic acid) Nanofibers: Preparation, Characterization, and Antibacterial Activity. ACS Applied Materials & Interfaces, 2012, 4, 6393-6401.	4.0	174
28	Laponite Nanodisks as an Efficient Platform for Doxorubicin Delivery to Cancer Cells. Langmuir, 2013, 29, 5030-5036.	1.6	169
29	Synthesis, characterization, and intracellular uptake of carboxyl-terminated poly(amidoamine) dendrimer-stabilized iron oxide nanoparticles. Physical Chemistry Chemical Physics, 2007, 9, 5712.	1.3	165
30	Dendrimer-based organic/inorganic hybrid nanoparticles in biomedical applications. Nanoscale, 2010, 2, 1596.	2.8	163
31	Tungsten Oxide Nanorods: An Efficient Nanoplatform for Tumor CT Imaging and Photothermal Therapy. Scientific Reports, 2014, 4, 3653.	1.6	160
32	Dendrimers in combination with natural products and analogues as anti-cancer agents. Chemical Society Reviews, 2018, 47, 514-532.	18.7	156
33	Redox-Responsive Alginate Nanogels with Enhanced Anticancer Cytotoxicity. Biomacromolecules, 2013, 14, 3140-3146.	2.6	153
34	Dendrimer-based nanodevices for targeted drug delivery applications. Journal of Materials Chemistry B, 2013, 1, 4199.	2.9	150
35	Multifunctional Dendrimer-Modified Multiwalled Carbon Nanotubes: Synthesis, Characterization, and In Vitro Cancer Cell Targeting and Imaging. Biomacromolecules, 2009, 10, 1744-1750.	2.6	145
36	Targeted delivery of doxorubicin into cancer cells using a folic acidâ€“dendrimer conjugate. Polymer Chemistry, 2011, 2, 1754.	1.9	142

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37	Dendrimer-based molecular imaging contrast agents. Progress in Polymer Science, 2015, 44, 1-27.	11.8	140
38	Improved cellular response on multiwalled carbon nanotube-incorporated electrospun polyvinyl alcohol/chitosan nanofibrous scaffolds. Colloids and Surfaces B: Biointerfaces, 2011, 84, 528-535.	2.5	138
39	Multifunctional Lactobionic Acid-Modified Dendrimers for Targeted Drug Delivery to Liver Cancer Cells: Investigating the Role Played by PEG Spacer. ACS Applied Materials & Interfaces, 2014, 6, 16416-16425.	4.0	133
40	Improved biocompatibility of surface functionalized dendrimer-entrapped gold nanoparticles. Soft Matter, 2007, 3, 71-74.	1.2	132
41	Facile One-Pot Synthesis of Fe₃O₄@Au Composite Nanoparticles for Dual-Mode MR/CT Imaging Applications. ACS Applied Materials & Interfaces, 2013, 5, 10357-10366.	4.0	132
42	RGD Peptide-Modified Dendrimer-Entrapped Gold Nanoparticles Enable Highly Efficient and Specific Gene Delivery to Stem Cells. ACS Applied Materials & Interfaces, 2015, 7, 4833-4843.	4.0	132
43	Excellent copper(II) removal using zero-valent iron nanoparticle-immobilized hybrid electrospun polymer nanofibrous mats. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 381, 48-54.	2.3	129
44	UTMD-Promoted Co-Delivery of Gemcitabine and miR-21 Inhibitor by Dendrimer-Entrapped Gold Nanoparticles for Pancreatic Cancer Therapy. Theranostics, 2018, 8, 1923-1939.	4.6	129
45	Facile assembly of Fe3O4@Au nanocomposite particles for dual mode magnetic resonance and computed tomography imaging applications. Journal of Materials Chemistry, 2012, 22, 15110.	6.7	128
46	RGD-functionalized ultrasmall iron oxide nanoparticles for targeted T₁-weighted MR imaging of gliomas. Nanoscale, 2015, 7, 14538-14546.	2.8	128
47	Antitumor efficacy of doxorubicin-loaded electrospun nano-hydroxyapatiteâ€“poly(lactic-co-glycolic) Tj ETQq1 1 0.784314 rgBT /Over	1.9	123
48	Multifunctional Dendrimer-Entrapped Gold Nanoparticles Modified with RGD Peptide for Targeted Computed Tomography/Magnetic Resonance Dual-Modal Imaging of Tumors. Analytical Chemistry, 2015, 87, 3949-3956.	3.2	122
49	Lactobionic Acid-Modified Dendrimer-Entrapped Gold Nanoparticles for Targeted Computed Tomography Imaging of Human Hepatocellular Carcinoma. ACS Applied Materials & Interfaces, 2014, 6, 6944-6953.	4.0	120
50	Multiâ€Responsive Biodegradable Cationic Nanogels for Highly Efficient Treatment of Tumors. Advanced Functional Materials, 2021, 31, 2100227.	7.8	117
51	Spontaneous Formation of Functionalized Dendrimer-Stabilized Gold Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 8251-8258.	1.5	116
52	Dendrimer-Assisted Formation of Fe₃O₄/Au Nanocomposite Particles for Targeted Dual Mode CT/MR Imaging of Tumors. Small, 2015, 11, 4584-4593.	5.2	114
53	Dendrimerâ€Stabilized Gold Nanoflowers Embedded with Ultrasmall Iron Oxide Nanoparticles for Multimode Imagingâ€“Guided Combination Therapy of Tumors. Advanced Science, 2018, 5, 1801612.	5.6	113
54	Facile one-pot preparation, surface functionalization, and toxicity assay of APTS-coated iron oxide nanoparticles. Nanotechnology, 2012, 23, 105601.	1.3	111

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55	Fabrication of multiwalled carbon nanotube-reinforced electrospun polymer nanofibers containing zero-valent iron nanoparticles for environmental applications. Journal of Materials Chemistry, 2010, 20, 5700.	6.7	108
56	Characterization of crystalline dendrimer-stabilized gold nanoparticles. Nanotechnology, 2006, 17, 1072-1078.	1.3	107
57	Synthesis and Characterization of PEGylated Polyethylenimine-Entrapped Gold Nanoparticles for Blood Pool and Tumor CT Imaging. ACS Applied Materials & Interfaces, 2014, 6, 17190-17199.	4.0	106
58	Chlorotoxin-Conjugated Multifunctional Dendrimers Labeled with Radionuclide ¹³¹I for Single Photon Emission Computed Tomography Imaging and Radiotherapy of Gliomas. ACS Applied Materials & Interfaces, 2015, 7, 19798-19808.	4.0	106
59	Targeted and pHâ€Responsive Delivery of Doxorubicin to Cancer Cells Using Multifunctional Dendrimerâ€Modified Multiâ€Walled Carbon Nanotubes. Advanced Healthcare Materials, 2013, 2, 1267-1276.	3.9	105
60	Multifunctional Fe3O4â€‰@â€‰Au core/shell nanostars: a unique platform for multimode imaging and photothermal therapy of tumors. Scientific Reports, 2016, 6, 28325.	1.6	105
61	^{99m}Tc-Labeled Multifunctional Low-Generation Dendrimer-Entrapped Gold Nanoparticles for Targeted SPECT/CT Dual-Mode Imaging of Tumors. ACS Applied Materials & Interfaces, 2016, 8, 19883-19891.	4.0	95
62	Targeted tumor CT imaging using folic acid-modified PEGylated dendrimer-entrapped gold nanoparticles. Polymer Chemistry, 2013, 4, 4412.	1.9	93
63	Zwitterionic Gadolinium(III)-Complexed Dendrimer-Entrapped Gold Nanoparticles for Enhanced Computed Tomography/Magnetic Resonance Imaging of Lung Cancer Metastasis. ACS Applied Materials & Interfaces, 2019, 11, 15212-15221.	4.0	93
64	Hyaluronic acid-modified multiwalled carbon nanotubes for targeted delivery of doxorubicin into cancer cells. Carbohydrate Research, 2015, 405, 70-77.	1.1	92
65	Dendrimer-Modified MoS₂ Nanoflakes as a Platform for Combinational Gene Silencing and Photothermal Therapy of Tumors. ACS Applied Materials & Interfaces, 2017, 9, 15995-16005.	4.0	92
66	Macrophage Membrane-Camouflaged Responsive Polymer Nanogels Enable Magnetic Resonance Imaging-Guided Chemotherapy/Chemodynamic Therapy of Orthotopic Glioma. ACS Nano, 2021, 15, 20377-20390.	7.3	92
67	Electrospun laponite-doped poly(lactic-co-glycolic acid) nanofibers for osteogenic differentiation of human mesenchymal stem cells. Journal of Materials Chemistry, 2012, 22, 23357.	6.7	91
68	Targeted Tumor Computed Tomography Imaging Using Lowâ€Generation Dendrimerâ€Stabilized Gold Nanoparticles. Chemistry - A European Journal, 2013, 19, 6409-6416.	1.7	90
69	An RGD-modified hollow silica@Au core/shell nanoplatform for tumor combination therapy. Acta Biomaterialia, 2017, 62, 273-283.	4.1	89
70	Poly(amidoamine) Dendrimer-Coordinated Copper(II) Complexes as a Theranostic Nanoplatform for the Radiotherapy-Enhanced Magnetic Resonance Imaging and Chemotherapy of Tumors and Tumor Metastasis. Nano Letters, 2019, 19, 1216-1226.	4.5	88
71	Fibronectin-Coated Metalâ€“Phenolic Networks for Cooperative Tumor Chemo-/Chemodynamic/Immune Therapy via Enhanced Ferroptosis-Mediated Immunogenic Cell Death. ACS Nano, 2022, 16, 984-996.	7.3	88
72	Amphiphilic Polymer-Mediated Formation of Laponite-Based Nanohybrids with Robust Stability and pH Sensitivity for Anticancer Drug Delivery. ACS Applied Materials & Interfaces, 2014, 6, 16687-16695.	4.0	87

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73	PEGylated polyethylenimine-entrapped gold nanoparticles modified with folic acid for targeted tumor CT imaging. Colloids and Surfaces B: Biointerfaces, 2016, 140, 489-496.	2.5	87
74	Facile formation of dendrimer-stabilized gold nanoparticles modified with diatrizoic acid for enhanced computed tomography imaging applications. Nanoscale, 2012, 4, 6768.	2.8	86
75	Biocompatibility of Electrospun Halloysite Nanotube-Doped Poly(Lactic-co-Glycolic Acid) Composite Nanofibers. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 299-313.	1.9	86
76	Dendrimer-based magnetic iron oxide nanoparticles: their synthesis and biomedical applications. Drug Discovery Today, 2016, 21, 1873-1885.	3.2	86
77	Conjugation of Iron Oxide Nanoparticles with RGD-Modified Dendrimers for Targeted Tumor MR Imaging. ACS Applied Materials & Interfaces, 2015, 7, 5420-5428.	4.0	85
78	Gd-/CuS-Loaded Functional Nanogels for MR/PA Imaging-Guided Tumor-Targeted Photothermal Therapy. ACS Applied Materials & Interfaces, 2020, 12, 9107-9117.	4.0	85
79	Influence of dendrimer surface charge on the bioactivity of 2-methoxyestradiol complexed with dendrimers. Soft Matter, 2010, 6, 2539.	1.2	84
80	Acetylation of dendrimer-entrapped gold and silver nanoparticles. Journal of Materials Chemistry, 2008, 18, 586-593.	6.7	83
81	Ultrasound-enhanced precision tumor theranostics using cell membrane-coated and pH-responsive nanoclusters assembled from ultrasmall iron oxide nanoparticles. Nano Today, 2021, 36, 101022.	6.2	83
82	Effect of Processing Variables on the Morphology of Electrospun Poly[(lactic acid)â€‹coâ€‹(glycolic) Tj ETQq0 0 0 rgBT /Overlock 1	1.7	82
83	Hemocompatibility of electrospun halloysite nanotubeâ€•and carbon nanotubeâ€doped composite poly(lacticâ€‹coâ€‹glycolic acid) nanofibers. Journal of Applied Polymer Science, 2013, 127, 4825-4832.	1.3	82
84	Construction of polydopamine-coated gold nanostars for CT imaging and enhanced photothermal therapy of tumors: an innovative theranostic strategy. Journal of Materials Chemistry B, 2016, 4, 4216-4226.	2.9	80
85	Hydrothermal Synthesis and Functionalization of Iron Oxide Nanoparticles for MR Imaging Applications. Particle and Particle Systems Characterization, 2014, 31, 1223-1237.	1.2	79
86	Dendrimerâ€Stabilized Gold Nanostars as a Multifunctional Theranostic Nanoplatform for CT Imaging, Photothermal Therapy, and Gene Silencing of Tumors. Advanced Healthcare Materials, 2016, 5, 3203-3213.	3.9	79
87	Multifunctional Dendrimer-Entrapped Gold Nanoparticles Conjugated with Doxorubicin for pH-Responsive Drug Delivery and Targeted Computed Tomography Imaging. Langmuir, 2018, 34, 12428-12435.	1.6	79
88	Doxorubicin-Conjugated PAMAM Dendrimers for pH-Responsive Drug Release and Folic Acid-Targeted Cancer Therapy. Pharmaceutics, 2018, 10, 162.	2.0	78
89	Construction of Electrospun Organic/Inorganic Hybrid Nanofibers for Drug Delivery and Tissue Engineering Applications. Advanced Fiber Materials, 2019, 1, 32-45.	7.9	77
90	Dendrimer-Assisted Formation of Fluorescent Nanogels for Drug Delivery and Intracellular Imaging. Biomacromolecules, 2014, 15, 492-499.	2.6	76

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91	Synthesis of PEGylated low generation dendrimer-entrapped gold nanoparticles for CT imaging applications. Nanoscale, 2014, 6, 4521-4526.	2.8	75
92	Enhanced X-ray attenuation property of dendrimer-entrapped gold nanoparticles complexed with diatrizoic acid. Journal of Materials Chemistry, 2011, 21, 5120.	6.7	74
93	pH sensitive Laponite/alginate hybrid hydrogels: swelling behaviour and release mechanism. Soft Matter, 2011, 7, 6231.	1.2	74
94	Multifunctional PEI-entrapped gold nanoparticles enable efficient delivery of therapeutic siRNA into glioblastoma cells. Biomaterials Science, 2017, 5, 258-266.	2.6	74
95	Hyaluronic acid-functionalized electrospun PLGA nanofibers embedded in a microfluidic chip for cancer cell capture and culture. Biomaterials Science, 2017, 5, 752-761.	2.6	73
96	Lightâ€Addressable Nanoclusters of Ultrasmall Iron Oxide Nanoparticles for Enhanced and Dynamic Magnetic Resonance Imaging of Arthritis. Advanced Science, 2019, 6, 1901800.	5.6	73
97	Ultrasmall iron oxide nanoparticles: synthesis, surface modification, assembly, and biomedical applications. Drug Discovery Today, 2019, 24, 835-844.	3.2	73
98	Polyelectrolyte Multilayer-Assisted Immobilization of Zero-Valent Iron Nanoparticles onto Polymer Nanofibers for Potential Environmental Applications. ACS Applied Materials & Interfaces, 2009, 1, 2848-2855.	4.0	72
99	Surface modification and PEGylation of branched polyethyleneimine for improved biocompatibility. Journal of Applied Polymer Science, 2013, 128, 3807-3813.	1.3	72
100	Zwitterion-functionalized dendrimer-entrapped gold nanoparticles for serum-enhanced gene delivery to inhibit cancer cell metastasis. Acta Biomaterialia, 2019, 99, 320-329.	4.1	71
101	Targeted Tumor Hypoxia Dualâ€Mode CT/MR Imaging and Enhanced Radiation Therapy Using Dendrimerâ€Based Nanosensitizers. Advanced Functional Materials, 2020, 30, 1909285.	7.8	71
102	Dendrimer-entrapped gold nanoparticles modified with RGD peptide and alpha-tocopheryl succinate enable targeted theranostics of cancer cells. Colloids and Surfaces B: Biointerfaces, 2015, 133, 36-42.	2.5	69
103	Zwitterion-coated ultrasmall iron oxide nanoparticles for enhanced T₁-weighted magnetic resonance imaging applications. Journal of Materials Chemistry B, 2017, 5, 7267-7273.	2.9	69
104	Synthesis of polyethyleneimine-stabilized gold nanoparticles for colorimetric sensing of heparin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 419, 80-86.	2.3	68
105	Folic acid-modified laponite nanodisks for targeted anticancer drug delivery. Journal of Materials Chemistry B, 2014, 2, 7410-7418.	2.9	68
106	Enhanced Delivery of Therapeutic siRNA into Glioblastoma Cells Using Dendrimer-Entrapped Gold Nanoparticles Conjugated with Î²-Cyclodextrin. Nanomaterials, 2018, 8, 131.	1.9	66
107	Polydopamine-coated gold core/hollow mesoporous silica shell particles as a nanoplatform for multimode imaging and photothermal therapy of tumors. Chemical Engineering Journal, 2019, 362, 842-850.	6.6	66
108	Targeted Combination of Antioxidative and Antiâ€Inflammatory Therapy of Rheumatoid Arthritis using Multifunctional Dendrimerâ€Entrapped Gold Nanoparticles as a Platform. Small, 2020, 16, e2005661.	5.2	66

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109	Acetylation of dendrimerâ€entrapped gold nanoparticles: Synthesis, stability, and Xâ€ray attenuation properties. Journal of Applied Polymer Science, 2011, 119, 1673-1682.	1.3	65
110	Enhanced dechlorination of trichloroethylene using electrospun polymer nanofibrous mats immobilized with iron/palladium bimetallic nanoparticles. Journal of Hazardous Materials, 2012, 211-212, 349-356.	6.5	65
111	Polyaniline-loaded Î³-polyglutamic acid nanogels as a platform for photoacoustic imaging-guided tumor photothermal therapy. Nanoscale, 2017, 9, 12746-12754.	2.8	62
112	The assembly of dendrimer-stabilized gold nanoparticles onto electrospun polymer nanofibers for catalytic applications. Journal of Materials Chemistry A, 2014, 2, 2323.	5.2	61
113	Facile synthesis of RGD peptide-modified iron oxide nanoparticles with ultrahigh relaxivity for targeted MR imaging of tumors. Biomaterials Science, 2015, 3, 721-732.	2.6	61
114	Partially PEGylated dendrimer-entrapped gold nanoparticles: a promising nanoplatform for highly efficient DNA and siRNA delivery. Journal of Materials Chemistry B, 2016, 4, 2933-2943.	2.9	60
115	Gadolinium-Loaded Poly(N-vinylcaprolactam) Nanogels: Synthesis, Characterization, and Application for Enhanced Tumor MR Imaging. ACS Applied Materials & Interfaces, 2017, 9, 3411-3418.	4.0	60
116	Design of electrospun nanofibrous mats for osteogenic differentiation of mesenchymal stem cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2505-2520.	1.7	60
117	Encapsulation of doxorubicin within multifunctional gadolinium-loaded dendrimer nanocomplexes for targeted theranostics of cancer cells. RSC Advances, 2015, 5, 30286-30296.	1.7	59
118	Radionuclide ¹³¹I-labeled multifunctional dendrimers for targeted SPECT imaging and radiotherapy of tumors. Nanoscale, 2015, 7, 18169-18178.	2.8	59
119	Effect of surface charge of polyethyleneimine-modified multiwalled carbon nanotubes on the improvement of polymerase chain reaction. Nanoscale, 2011, 3, 1741.	2.8	58
120	Ultrasound-enhanced fluorescence imaging and chemotherapy of multidrug-resistant tumors using multifunctional dendrimer/carbon dot nanohybrids. Bioactive Materials, 2021, 6, 729-739.	8.6	58
121	Tunable synthesis and acetylation of dendrimer-entrapped or dendrimer-stabilized goldâ€“silver alloy nanoparticles. Colloids and Surfaces B: Biointerfaces, 2012, 94, 58-67.	2.5	57
122	Dendrimer-entrapped gold nanoparticles modified with folic acid for targeted gene delivery applications. Biomaterials Science, 2013, 1, 1172.	2.6	57
123	Superstructured poly(amidoamine) dendrimer-based nanoconstructs as platforms for cancer nanomedicine: A concise review. Coordination Chemistry Reviews, 2020, 421, 213463.	9.5	57
124	Targeted doxorubicin delivery to hepatocarcinoma cells by lactobionic acid-modified laponite nanodisks. New Journal of Chemistry, 2015, 39, 2847-2855.	1.4	56
125	Targeted CT imaging of human hepatocellular carcinoma using low-generation dendrimer-entrapped gold nanoparticles modified with lactobionic acid. Journal of Materials Chemistry B, 2015, 3, 286-295.	2.9	56
126	Polyethyleneimine-Coated Manganese Oxide Nanoparticles for Targeted Tumor PET/MR Imaging. ACS Applied Materials & Interfaces, 2018, 10, 34954-34964.	4.0	56

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127	Facile hydrothermal synthesis of low generation dendrimer-stabilized gold nanoparticles for in vivo computed tomography imaging applications. Polymer Chemistry, 2013, 4, 1788.	1.9	55
128	Efficient delivery of therapeutic siRNA into glioblastoma cells using multifunctional dendrimer-entrapped gold nanoparticles. Nanomedicine, 2016, 11, 3103-3115.	1.7	55
129	Multifunctional PVCL nanogels with redox-responsiveness enable enhanced MR imaging and ultrasound-promoted tumor chemotherapy. Theranostics, 2020, 10, 4349-4358.	4.6	55
130	Negative Isolation of Circulating Tumor Cells Using a Microfluidic Platform Integrated with Streptavidin-Functionalized PLGA Nanofibers. Advanced Fiber Materials, 2021, 3, 192-202.	7.9	55
131	Efficient co-delivery of microRNA 21 inhibitor and doxorubicin to cancer cells using coreâ€“shell tecto dendrimers formed via supramolecular hostâ€“guest assembly. Journal of Materials Chemistry B, 2020, 8, 2768-2774.	2.9	54
132	Capillary Electrophoresis of Poly(amidoamine) Dendrimers:â€‰ From Simple Derivatives to Complex Multifunctional Medical Nanodevices. Molecular Pharmaceutics, 2005, 2, 278-294.	2.3	53
133	Hyaluronic Acidâ€Functionalized Electrospun Polyvinyl Alcohol/Polyethyleneimine Nanofibers for Cancer Cell Capture Applications. Advanced Materials Interfaces, 2015, 2, 1500256.	1.9	53
134	Antifouling Manganese Oxide Nanoparticles: Synthesis, Characterization, and Applications for Enhanced MR Imaging of Tumors. ACS Applied Materials & Interfaces, 2017, 9, 47-53.	4.0	52
135	Dendrimer-based strategies for cancer therapy: Recent advances and future perspectives. Science China Materials, 2018, 61, 1387-1403.	3.5	51
136	Design of dual drug-loaded dendrimer/carbon dot nanohybrids for fluorescence imaging and enhanced chemotherapy of cancer cells. Journal of Materials Chemistry B, 2019, 7, 277-285.	2.9	51
137	Impact of Dendrimer Surface Functional Groups on the Release of Doxorubicin from Dendrimer Carriers. Journal of Physical Chemistry B, 2014, 118, 1696-1706.	1.2	50
138	A Microfluidic Chip Integrated with Hyaluronic Acid-Functionalized Electrospun Chitosan Nanofibers for Specific Capture and Nondestructive Release of CD44-Overexpressing Circulating Tumor Cells. Bioconjugate Chemistry, 2018, 29, 1081-1090.	1.8	50
139	Radiotherapy-Sensitized Tumor Photothermal Ablation Using Î³-Polyglutamic Acid Nanogels Loaded with Polypyrrole. Biomacromolecules, 2018, 19, 2034-2042.	2.6	50
140	Metalâ€“Phenolicâ€Networkâ€Coated Dendrimerâ€“Drug Conjugates for Tumor MR Imaging and Chemo/Chemodynamic Therapy via Amplification of Endoplasmic Reticulum Stress. Advanced Materials, 2022, 34, e2107009.	11.1	50
141	Facile synthesis of hyaluronic acid-modified Fe₃O₄/Au composite nanoparticles for targeted dual mode MR/CT imaging of tumors. Journal of Materials Chemistry B, 2015, 3, 9098-9108.	2.9	49
142	Dendrimers meet zwitterions: development of a unique antifouling nanoplatform for enhanced blood pool, lymph node and tumor CT imaging. Nanoscale, 2017, 9, 12295-12301.	2.8	49
143	¹³¹I-labeled multifunctional dendrimers modified with BmK CT for targeted SPECT imaging and radiotherapy of gliomas. Nanomedicine, 2016, 11, 1253-1266.	1.7	48
144	Polyethylenimineâ€Based Nanogels for Biomedical Applications. Macromolecular Bioscience, 2019, 19, e1900272.	2.1	48

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145	Bench-to-bedside translation of dendrimers: Reality or utopia? A concise analysis. Advanced Drug Delivery Reviews, 2018, 136-137, 73-81.	6.6	47
146	SPECT/CT imaging of chemotherapy-induced tumor apoptosis using ^{99m}Tc-labeled dendrimer-entrapped gold nanoparticles. Drug Delivery, 2018, 25, 1384-1393.	2.5	47
147	Coreâ€“shell tecto dendrimers formed via hostâ€“guest supramolecular assembly as pH-responsive intelligent carriers for enhanced anticancer drug delivery. Nanoscale, 2019, 11, 22343-22350.	2.8	46
148	Dendrimer-decorated nanogels: Efficient nanocarriers for biodistribution in vivo and chemotherapy of ovarian carcinoma. Bioactive Materials, 2021, 6, 3244-3253.	8.6	46
149	Dendrimer-functionalized electrospun cellulose acetate nanofibers for targeted cancer cell capture applications. Journal of Materials Chemistry B, 2014, 2, 7384-7393.	2.9	45
150	Design and Biomedical Applications of Poly(amidoamine)â€Dendrimerâ€Based Hybrid Nanoarchitectures. Small Methods, 2017, 1, 1700224.	4.6	45
151	Redox-Sensitive Clustered Ultrasmall Iron Oxide Nanoparticles for Switchable T₂/T₁-Weighted Magnetic Resonance Imaging Applications. Bioconjugate Chemistry, 2020, 31, 352-359.	1.8	45
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