Xiangyang Shi

List of Publications by Year
in descending order

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492	27,792	4641 85	12233 133
papers	citations	h-index	g-index

510	510	510	24894
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interaction of Poly(amidoamine) Dendrimers with Supported Lipid Bilayers and Cells:â€‰ Hole Formation and the Relation to Transport. Bioconjugate Chemistry, 2004, 15, 774-782.	1.8	556
2	Biodegradable Polymer Nanogels for Drug/Nucleic Acid Delivery. Chemical Reviews, 2015, 115, 8564-8608.	23.0	401
3	PEGylated dendrimer-entrapped gold nanoparticles for inÂvivo blood pool and tumor imaging by computed tomography. Biomaterials, 2012, 33, 1107-1119.	5.7	367
4	Hyaluronic acid-modified Fe3O4@Au core/shell nanostars for multimodal imaging and photothermal therapy of tumors. Biomaterials, 2015, 38, 10-21.	5.7	362
5	Dendrimer-Entrapped Gold Nanoparticles as a Platform for Cancer-Cell Targeting and Imaging. Small, 2007, 3, 1245-1252.	5.2	314
6	Construction of iron oxide nanoparticle-based hybrid platforms for tumor imaging and therapy. Chemical Society Reviews, 2018, 47, 1874-1900.	18.7	300
7	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
8	Dendrimerâ€Functionalized Shellâ€crosslinked Iron Oxide Nanoparticles for Inâ€Vivo Magnetic Resonance Imaging of Tumors. Advanced Materials, 2008, 20, 1671-1678.	11.1	271
9	Facile Hydrothermal Synthesis of Iron Oxide Nanoparticles with Tunable Magnetic Properties. Journal of Physical Chemistry C, 2009, 113, 13593-13599.	1.5	267
10	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
11	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
12	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
13	Polyethyleneimine-mediated synthesis of folic acid-targeted iron oxide nanoparticles for inÂvivo tumor MR imaging. Biomaterials, 2013, 34, 8382-8392.	5.7	245
14	Multifunctional dendrimer-entrapped gold nanoparticles for dual mode CT/MR imaging applications. Biomaterials, 2013, 34, 1570-1580.	5.7	242
15	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
16	Silver/Dendrimer Nanocomposites as Biomarkers:â€‰ Fabrication, Characterization, in Vitro Toxicity, and Intracellular Detection. Nano Letters, 2005, 5, 2123-2130.	4.5	239
17	Hyaluronic acid-modified hydrothermally synthesized iron oxide nanoparticles for targeted tumor MR imaging. Biomaterials, 2014, 35, 3666-3677.	5.7	236
18	Water-soluble superparamagnetic manganese ferrite nanoparticles for magnetic resonance imaging. Biomaterials, 2010, 31, 3667-3673.	5.7	234

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19	Gene delivery using dendrimer-entrapped gold nanoparticles as nonviral vectors. Biomaterials, 2012, 33, 3025-3035.	5.7	226
20	Computed tomography imaging of cancer cells using acetylated dendrimer-entrapped gold nanoparticles. Biomaterials, 2011, 32, 2979-2988.	5.7	214
21	Targeted CT/MR dual mode imaging of tumors using multifunctional dendrimer-entrapped gold nanoparticles. Biomaterials, 2013, 34, 5200-5209.	5.7	206
22	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
23	Polyelectrolyte multilayer nanoreactors toward the synthesis of diverse nanostructured materials. Progress in Polymer Science, 2004, 29, 987-1019.	11.8	202
24	Dendritic Chelating Agents. 1. Cu(II) Binding to Ethylene Diamine Core Poly(amidoamine) Dendrimers in Aqueous Solutions. Langmuir, 2004, 20, 2640-2651.	1.6	200
25	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
26	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
27	Encapsulation of 2-methoxyestradiol within multifunctional poly(amidoamine) dendrimers for targeted cancer therapy. Biomaterials, 2011, 32, 3322-3329.	5.7	184
28	Targeted cancer theranostics using alpha-tocopheryl succinate-conjugated multifunctional dendrimer-entrapped gold nanoparticles. Biomaterials, 2014, 35, 7635-7646.	5.7	182
29	Dendrimerâ€Functionalized Iron Oxide Nanoparticles for Specific Targeting and Imaging of Cancer Cells. Advanced Functional Materials, 2007, 17, 3043-3050.	7.8	179
30	Efficient Catalytic Reduction of Hexavalent Chromium Using Palladium Nanoparticle-Immobilized Electrospun Polymer Nanofibers. ACS Applied Materials & Interfaces, 2012, 4, 3054-3061.	4.0	179
31	Facile immobilization of gold nanoparticles into electrospun polyethyleneimine/polyvinyl alcohol nanofibers for catalytic applications. Journal of Materials Chemistry, 2011, 21, 4493.	6.7	178
32	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
33	Laponite Nanodisks as an Efficient Platform for Doxorubicin Delivery to Cancer Cells. Langmuir, 2013, 29, 5030-5036.	1.6	169
34	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
35	Controlled release and antibacterial activity of antibiotic-loaded electrospun halloysite/poly(lactic-co-glycolic acid) composite nanofibers. Colloids and Surfaces B: Biointerfaces, 2013, 110, 148-155.	2.5	165
36	Dendrimer-based organic/inorganic hybrid nanoparticles in biomedical applications. Nanoscale, 2010, 2, 1596.	2.8	163

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37	Tungsten Oxide Nanorods: An Efficient Nanoplatform for Tumor CT Imaging and Photothermal Therapy. Scientific Reports, 2014, 4, 3653.	1.6	160
38	Dendrimers in combination with natural products and analogues as anti-cancer agents. Chemical Society Reviews, 2018, 47, 514-532.	18.7	156
39	Redox-Responsive Alginate Nanogels with Enhanced Anticancer Cytotoxicity. Biomacromolecules, 2013, 14, 3140-3146.	2.6	153
40	Dendrimer-based nanodevices for targeted drug delivery applications. Journal of Materials Chemistry B, 2013, 1, 4199.	2.9	150
41	X-ray Attenuation Property of Dendrimer-Entrapped Gold Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 50-56.	1.5	149
42	Multifunctional Dendrimer-Modified Multiwalled Carbon Nanotubes: Synthesis, Characterization, and In Vitro Cancer Cell Targeting and Imaging. Biomacromolecules, 2009, 10, 1744-1750.	2.6	145
43	Targeted delivery of doxorubicin into cancer cells using a folic acidâ€“dendrimer conjugate. Polymer Chemistry, 2011, 2, 1754.	1.9	142
44	Dendrimer-based molecular imaging contrast agents. Progress in Polymer Science, 2015, 44, 1-27.	11.8	140
45	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
46	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
47	Improved biocompatibility of surface functionalized dendrimer-entrapped gold nanoparticles. Soft Matter, 2007, 3, 71-74.	1.2	132
48	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
49	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
50	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
51	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
52	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
53	RGD-functionalized ultrasmall iron oxide nanoparticles for targeted T₁-weighted MR imaging of gliomas. Nanoscale, 2015, 7, 14538-14546.	2.8	128
54	Immobilization of Zerovalent Iron Nanoparticles into Electrospun Polymer Nanofibers: Synthesis, Characterization, and Potential Environmental Applications. Journal of Physical Chemistry C, 2009, 113, 18062-18068.	1.5	123

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55	Antitumor efficacy of doxorubicin-loaded electrospun nano-hydroxyapatiteâ€“poly(lactic-co-glycolic) Tj ETQq1 1 0.784314 rgBT /Over	1.9	123
56	Polyethyleneimine-Mediated Functionalization of Multiwalled Carbon Nanotubes: Synthesis, Characterization, and In Vitro Toxicity Assay. Journal of Physical Chemistry C, 2009, 113, 3150-3156.	1.5	122
57	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
58	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
59	Multiâ€Responsive Biodegradable Cationic Nanogels for Highly Efficient Treatment of Tumors. Advanced Functional Materials, 2021, 31, 2100227.	7.8	117
60	Spontaneous Formation of Functionalized Dendrimer-Stabilized Gold Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 8251-8258.	1.5	116
61	Release Behavior of Thin-Walled Microcapsules Composed of Polyelectrolyte Multilayers. Langmuir, 2001, 17, 2036-2042.	1.6	115
62	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
63	Genome Sequence of the Plant-Pathogenic Bacterium Dickeya dadantii 3937. Journal of Bacteriology, 2011, 193, 2076-2077.	1.0	113
64	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
65	Facile one-pot preparation, surface functionalization, and toxicity assay of APTS-coated iron oxide nanoparticles. Nanotechnology, 2012, 23, 105601.	1.3	111
66	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
67	Characterization of crystalline dendrimer-stabilized gold nanoparticles. Nanotechnology, 2006, 17, 1072-1078.	1.3	107
68	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
69	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
70	Formation of Uniform Polyaniline Thin Shells and Hollow Capsules Using Polyelectrolyte-Coated Microspheres as Templates. Macromolecules, 2003, 36, 4093-4098.	2.2	105
71	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
72	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

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73	Carbon nanotube-incorporated multilayered cellulose acetate nanofibers for tissue engineering applications. Carbohydrate Polymers, 2013, 91, 419-427.	5.1	97
74	RGD peptide-modified multifunctional dendrimer platform for drug encapsulation and targeted inhibition of cancer cells. Colloids and Surfaces B: Biointerfaces, 2015, 125, 82-89.	2.5	96
75	^{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
76	Surface-Charge-Switchable Nanoclusters for Magnetic Resonance Imaging-Guided and Glutathione Depletion-Enhanced Photodynamic Therapy. ACS Nano, 2020, 14, 11225-11237.	7.3	94
77	Targeted tumor CT imaging using folic acid-modified PEGylated dendrimer-entrapped gold nanoparticles. Polymer Chemistry, 2013, 4, 4412.	1.9	93
78	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
79	Hyaluronic acid-modified multiwalled carbon nanotubes for targeted delivery of doxorubicin into cancer cells. Carbohydrate Research, 2015, 405, 70-77.	1.1	92
80	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
81	FRACTAL CALCULUS AND ITS APPLICATION TO EXPLANATION OF BIOMECHANISM OF POLAR BEAR HAIRS. Fractals, 2018, 26, 1850086.	1.8	92
82	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
83	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
84	Targeted Tumor Computed Tomography Imaging Using Lowâ€Generation Dendrimerâ€Stabilized Gold Nanoparticles. Chemistry - A European Journal, 2013, 19, 6409-6416.	1.7	90
85	An RGD-modified hollow silica@Au core/shell nanoplatform for tumor combination therapy. Acta Biomaterialia, 2017, 62, 273-283.	4.1	89
86	Size-controlled synthesis of dendrimer-stabilized silver nanoparticles for X-ray computed tomography imaging applications. Polymer Chemistry, 2010, 1, 1677.	1.9	88
87	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
88	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
89	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
90	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

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91	Facile formation of dendrimer-stabilized gold nanoparticles modified with diatrizoic acid for enhanced computed tomography imaging applications. Nanoscale, 2012, 4, 6768.	2.8	86
92	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
93	Dendrimer-based magnetic iron oxide nanoparticles: their synthesis and biomedical applications. Drug Discovery Today, 2016, 21, 1873-1885.	3.2	86
94	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
95	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
96	Influence of dendrimer surface charge on the bioactivity of 2-methoxyestradiol complexed with dendrimers. Soft Matter, 2010, 6, 2539.	1.2	84
97	Acetylation of dendrimer-entrapped gold and silver nanoparticles. Journal of Materials Chemistry, 2008, 18, 586-593.	6.7	83
98	Dynamically tuning near-infrared-induced photothermal performances of TiO₂ nanocrystals by Nb doping for imaging-guided photothermal therapy of tumors. Nanoscale, 2017, 9, 9148-9159.	2.8	83
99	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
100	Tunable Synthesis and Immobilization of Zero-Valent Iron Nanoparticles for Environmental Applications. Environmental Science & Technology, 2008, 42, 8884-8889.	4.6	82
101	Effect of Processing Variables on the Morphology of Electrospun Poly[(lactic acid)â€coâ€(glycolic) Tj ETQq1 1 0.784314 rgBT	1.7	82
102	Targeting and detecting cancer cells using spontaneously formed multifunctional dendrimer-stabilized gold nanoparticles. Analyst, The, 2009, 134, 1373.	1.7	82
103	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
104	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
105	Hydrothermal Synthesis and Functionalization of Iron Oxide Nanoparticles for MR Imaging Applications. Particle and Particle Systems Characterization, 2014, 31, 1223-1237.	1.2	79
106	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
107	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
108	Formation of Cobalt Oxide Nanotubes:Â Effect of Intermolecular Hydrogen Bonding between Co(III) Complex Precursors Incorporated onto Colloidal Templates. Nano Letters, 2002, 2, 289-293.	4.5	78

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109	Doxorubicin-Conjugated PAMAM Dendrimers for pH-Responsive Drug Release and Folic Acid-Targeted Cancer Therapy. Pharmaceutics, 2018, 10, 162.	2.0	78
110	Construction of Electrospun Organic/Inorganic Hybrid Nanofibers for Drug Delivery and Tissue Engineering Applications. Advanced Fiber Materials, 2019, 1, 32-45.	7.9	77
111	Comprehensive characterization of surface-functionalized poly(amidoamine) dendrimers with acetamide, hydroxyl, and carboxyl groups. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 272, 139-150.	2.3	76
112	Dendrimer-Assisted Formation of Fluorescent Nanogels for Drug Delivery and Intracellular Imaging. Biomacromolecules, 2014, 15, 492-499.	2.6	76
113	Synthesis of PEGylated low generation dendrimer-entrapped gold nanoparticles for CT imaging applications. Nanoscale, 2014, 6, 4521-4526.	2.8	75
114	Enhanced X-ray attenuation property of dendrimer-entrapped gold nanoparticles complexed with diatrizoic acid. Journal of Materials Chemistry, 2011, 21, 5120.	6.7	74
115	pH sensitive Laponite/alginate hybrid hydrogels: swelling behaviour and release mechanism. Soft Matter, 2011, 7, 6231.	1.2	74
116	Multifunctional PEI-entrapped gold nanoparticles enable efficient delivery of therapeutic siRNA into glioblastoma cells. Biomaterials Science, 2017, 5, 258-266.	2.6	74
117	High Activity Enzyme Microcrystal Multilayer Films. Journal of the American Chemical Society, 2001, 123, 8121-8122.	6.6	73
118	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
119	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
120	Ultrasmall iron oxide nanoparticles: synthesis, surface modification, assembly, and biomedical applications. Drug Discovery Today, 2019, 24, 835-844.	3.2	73
121	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
122	Surface modification and PEGylation of branched polyethyleneimine for improved biocompatibility. Journal of Applied Polymer Science, 2013, 128, 3807-3813.	1.3	72
123	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
124	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
125	Fabrication and morphology control of electrospun poly(Î³-glutamic acid) nanofibers for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2012, 89, 254-264.	2.5	70
126	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

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127	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
128	HPLC Separation of Different Generations of Poly(amidoamine) Dendrimers Modified with Various Terminal Groups. Analytical Chemistry, 2005, 77, 2063-2070.	3.2	68
129	The Role of Ganglioside GM1 in Cellular Internalization Mechanisms of Poly(amidoamine) Dendrimers. Bioconjugate Chemistry, 2009, 20, 1503-1513.	1.8	68
130	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
131	Folic acid-modified laponite nanodisks for targeted anticancer drug delivery. Journal of Materials Chemistry B, 2014, 2, 7410-7418.	2.9	68
132	Electrostatic Interactions between Polyelectrolytes and a Titania Precursor:Â Thin Film and Solution Studies. Langmuir, 2002, 18, 904-910.	1.6	66
133	Dendrimer-stabilized bismuth sulfide nanoparticles: synthesis, characterization, and potential computed tomography imaging applications. Analyst, The, 2013, 138, 3172.	1.7	66
134	Enhanced Delivery of Therapeutic siRNA into Glioblastoma Cells Using Dendrimer-Entrapped Gold Nanoparticles Conjugated with Î²-Cyclodextrin. Nanomaterials, 2018, 8, 131.	1.9	66
135	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
136	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
137	Aminopropyltriethoxysilane-mediated surface functionalization of hydroxyapatite nanoparticles: synthesis, characterization, and in vitro toxicity assay. International Journal of Nanomedicine, 2011, 6, 3449.	3.3	65
138	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
139	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
140	Cyclotriphosphazene core-based dendrimers for biomedical applications: an update on recent advances. Journal of Materials Chemistry B, 2018, 6, 884-895.	2.9	64
141	Polyelectrolyte-Coated Nanosphere Lithographic Patterning of Surfaces:â€‰ Fabrication and Characterization of Electropolymerized Thin Polyaniline Honeycomb Films. Journal of Physical Chemistry B, 2002, 106, 6465-6472.	1.2	63
142	Charge-reversible and biodegradable chitosan-based microgels for lysozyme-triggered release of vancomycin. Journal of Advanced Research, 2023, 43, 87-96.	4.4	63
143	Preparation of Laponite Bioceramics for Potential Bone Tissue Engineering Applications. PLoS ONE, 2014, 9, e99585.	1.1	62
144	Polyaniline-loaded Î³-polyglutamic acid nanogels as a platform for photoacoustic imaging-guided tumor photothermal therapy. Nanoscale, 2017, 9, 12746-12754.	2.8	62

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145	Synthesis, characterization, and manipulation of dendrimer-stabilized iron sulfide nanoparticles. Nanotechnology, 2006, 17, 4554-4560.	1.3	61
146	Tumor microvasculature targeting with dendrimer-entrapped gold nanoparticles. Soft Matter, 2008, 4, 2160.	1.2	61
147	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
148	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
149	Electrospun PEGylated PLGA nanofibers for drug encapsulation and release. Materials Science and Engineering C, 2018, 91, 255-262.	3.8	61
150	Multifunctional dendrimer-based nanoparticles for in vivo MR/CT dual-modal molecular imaging of breast cancer. International Journal of Nanomedicine, 2013, 8, 2589.	3.3	60
151	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
152	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
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