List of Publications by Year in descending order

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Rui Cuo

#	Article	IF	CITATIONS
1	Effective CpG Delivery Using Zwitterion-Functionalized Dendrimer-Entrapped Gold Nanoparticles to Promote T Cell-Mediated Immunotherapy of Cancer Cells. Biosensors, 2022, 12, 71.	4.7	4
2	Intelligent design of iron-doped LDH nanosheets for cooperative chemo-chemodynamic therapy of tumors. Biomaterials Science, 2022, 10, 2029-2039.	5.4	10
3	⁶⁸ Ga-labeled dendrimer-entrapped gold nanoparticles for PET/CT dual-modality imaging and immunotherapy of tumors. Journal of Materials Chemistry B, 2022, 10, 3648-3656.	5.8	11
4	Polydopamine-Coated Laponite Nanoplatforms for Photoacoustic Imaging-Guided Chemo-Phototherapy of Breast Cancer. Nanomaterials, 2021, 11, 394.	4.1	18
5	Macrophage-Laden Gold Nanoflowers Embedded with Ultrasmall Iron Oxide Nanoparticles for Enhanced Dual-Mode CT/MR Imaging of Tumors. Pharmaceutics, 2021, 13, 995.	4.5	9
6	Low-Molecular-Weight Poly(ethylenimine) Nanogels Loaded with Ultrasmall Iron Oxide Nanoparticles for <i>T</i> ₁ -Weighted MR Imaging-Guided Gene Therapy of Sarcoma. ACS Applied Materials & Interfaces, 2021, 13, 27806-27813.	8.0	25
7	Multifunctional Core–Shell Tecto Dendrimers Incorporated with Gold Nanoparticles for Targeted Dual Mode CT/MR Imaging of Tumors. ACS Applied Bio Materials, 2021, 4, 1803-1812.	4.6	14
8	Doxorubicin Encapsulated in TPGSâ€Modified 2Dâ€Nanodisks Overcomes Multidrug Resistance. Chemistry - A European Journal, 2020, 26, 2470-2477.	3.3	23
9	Functional LAPONITE Nanodisks Enable Targeted Anticancer Chemotherapy in Vivo. Bioconjugate Chemistry, 2020, 31, 2404-2412.	3.6	9
10	Adoptive cellular immunotherapy of tumors <i>via</i> effective CpG delivery to dendritic cells using dendrimer-entrapped gold nanoparticles as a gene vector. Journal of Materials Chemistry B, 2020, 8, 5052-5063.	5.8	30
11	A Dendrimer-Based Dual Radiodense Element-Containing Nanoplatform for Targeted Enhanced Tumor Computed Tomography Imaging. Langmuir, 2020, 36, 3096-3103.	3.5	15
12	LDH-stabilized ultrasmall iron oxide nanoparticles as a platform for hyaluronidase-promoted MR imaging and chemotherapy of tumors. Theranostics, 2020, 10, 2791-2802.	10.0	41
13	Folic acid-modified Laponite®-stabilized Fe3O4 nanoparticles for targeted T-weighted MR imaging of tumor. Applied Clay Science, 2020, 186, 105447.	5.2	20
14	A polydopamine-coated LAPONITE®-stabilized iron oxide nanoplatform for targeted multimodal imaging-guided photothermal cancer therapy. Journal of Materials Chemistry B, 2019, 7, 3856-3864.	5.8	22
15	Stem cell-mediated delivery of nanogels loaded with ultrasmall iron oxide nanoparticles for enhanced tumor MR imaging. Nanoscale, 2019, 11, 4904-4910.	5.6	35
16	Hyaluronic Acid-Decorated Laponite® Nanocomposites for Targeted Anticancer Drug Delivery. Polymers, 2019, 11, 137.	4.5	32
17	PEGylated dendrimer-entrapped gold nanoparticles with low immunogenicity for targeted gene delivery. RSC Advances, 2018, 8, 1265-1273.	3.6	26
18	Doxorubicin-Conjugated PAMAM Dendrimers for pH-Responsive Drug Release and Folic Acid-Targeted Cancer Therapy. Pharmaceutics, 2018, 10, 162.	4.5	78

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19	Loading of Indocyanine Green within Polydopamine-Coated Laponite Nanodisks for Targeted Cancer Photothermal and Photodynamic Therapy. Nanomaterials, 2018, 8, 347.	4.1	53
20	LAPONITE-Polyethylenimine Based Theranostic Nanoplatform for Tumor-Targeting CT Imaging and Chemotherapy. ACS Biomaterials Science and Engineering, 2017, 3, 431-442.	5.2	44
21	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.	5.8	60
22	Controlled release of doxorubicin from electrospun MWCNTs/PLGA hybrid nanofibers. Chinese Journal of Polymer Science (English Edition), 2016, 34, 1047-1059.	3.8	32
23	Fusion of an albumin-binding domain extends the half-life of immunotoxins. International Journal of Pharmaceutics, 2016, 511, 538-549.	5.2	30
24	Mechanistic Studies of Enhanced PCR Using PEGylated PEI-Entrapped Gold Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 25808-25817.	8.0	26
25	HER2-targeted immunotoxins with low nonspecific toxicity and immunogenicity. Biochemical and Biophysical Research Communications, 2016, 475, 93-99.	2.1	14
26	LAPONITE®-stabilized iron oxide nanoparticles for in vivo MR imaging of tumors. Biomaterials Science, 2016, 4, 474-482.	5.4	41
27	Dendrimer-Functionalized Laponite Nanodisks as a Platform for Anticancer Drug Delivery. Nanomaterials, 2015, 5, 1716-1731.	4.1	23
28	Targeted doxorubicin delivery to hepatocarcinoma cells by lactobionic acid-modified laponite nanodisks. New Journal of Chemistry, 2015, 39, 2847-2855.	2.8	56
29	Controlled release and targeted delivery to cancer cells of doxorubicin from polysaccharide-functionalised single-walled carbon nanotubes. Journal of Materials Chemistry B, 2015, 3, 1846-1855.	5.8	56
30	Poly(<scp>l</scp> -lactide)/halloysite nanotube electrospun mats as dual-drug delivery systems and their therapeutic efficacy in infected full-thickness burns. Journal of Biomaterials Applications, 2015, 30, 512-525.	2.4	39
31	Partially Acetylated Dendrimer-Entrapped Gold Nanoparticles with Reduced Cytotoxicity for Gene Delivery Applications. Journal of Nanoscience and Nanotechnology, 2015, 15, 4094-4105.	0.9	33
32	Folic acid-modified laponite nanodisks for targeted anticancer drug delivery. Journal of Materials Chemistry B, 2014, 2, 7410-7418.	5.8	68
33	Lactobionic Acid-Modified Dendrimer-Entrapped Gold Nanoparticles for Targeted Computed Tomography Imaging of Human Hepatocellular Carcinoma. ACS Applied Materials & Interfaces, 2014, 6, 6944-6953.	8.0	120
34	Impact of Dendrimer Surface Functional Groups on the Release of Doxorubicin from Dendrimer Carriers. Journal of Physical Chemistry B, 2014, 118, 1696-1706.	2.6	50
35	A novel multifunctional poly(amidoamine) dendrimeric delivery system with superior encapsulation capacity for targeted delivery of the chemotherapy drug 10-hydroxycamptothecin. International Journal of Pharmaceutics, 2014, 465, 378-387.	5.2	31
36	Laponite Nanodisks as an Efficient Platform for Doxorubicin Delivery to Cancer Cells. Langmuir, 2013, 29, 5030-5036.	3.5	169

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37	Dendrimer-stabilized bismuth sulfide nanoparticles: synthesis, characterization, and potential computed tomography imaging applications. Analyst, The, 2013, 138, 3172.	3.5	66
38	Carbon nanotube-incorporated multilayered cellulose acetate nanofibers for tissue engineering applications. Carbohydrate Polymers, 2013, 91, 419-427.	10.2	97
39	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.	5.0	165
40	Dendrimers in Cancer Therapeutics and Diagnosis. Current Drug Metabolism, 2012, 13, 1097-1109.	1.2	37
41	A highly effective polymerase chain reactionenhancer based on dendrimer-entrapped gold nanoparticles. Analyst, The, 2012, 137, 223-228.	3.5	34
42	Efficient Catalytic Reduction of Hexavalent Chromium Using Palladium Nanoparticle-Immobilized Electrospun Polymer Nanofibers. ACS Applied Materials & Interfaces, 2012, 4, 3054-3061.	8.0	179
43	Facile formation of dendrimer-stabilized gold nanoparticles modified with diatrizoic acid for enhanced computed tomography imaging applications. Nanoscale, 2012, 4, 6768.	5.6	86
44	Dendrimer-mediated synthesis and shape evolution of gold–silver alloy nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 405, 22-29.	4.7	27
45	Synthesis of glycoconjugated poly(amindoamine) dendrimers for targeting human liver cancer cells. RSC Advances, 2012, 2, 99-102.	3.6	37
46	Biocompatibility of Electrospun Halloysite Nanotube-Doped Poly(Lactic-co-Glycolic Acid) Composite Nanofibers. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 299-313.	3.5	86
47	Enhancing the specificity and efficiency of polymerase chain reaction using polyethyleneimine-based derivatives and hybrid nanocomposites. International Journal of Nanomedicine, 2012, 7, 1069.	6.7	35
48	Dendrimer-entrapped gold nanoparticles as potential CT contrast agents for blood pool imaging. Nanoscale Research Letters, 2012, 7, 190.	5.7	40
49	Fabrication and morphology control of electrospun poly(γ-glutamic acid) nanofibers for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2012, 89, 254-264.	5.0	70
50	Tunable synthesis and acetylation of dendrimer-entrapped or dendrimer-stabilized gold–silver alloy nanoparticles. Colloids and Surfaces B: Biointerfaces, 2012, 94, 58-67.	5.0	57
51	PEGylated dendrimer-entrapped gold nanoparticles for inÂvivo blood pool and tumor imaging by computed tomography. Biomaterials, 2012, 33, 1107-1119.	11.4	367
52	Gene delivery using dendrimer-entrapped gold nanoparticles as nonviral vectors. Biomaterials, 2012, 33, 3025-3035.	11.4	226
53	Enhanced dechlorination of trichloroethylene using electrospun polymer nanofibrous mats immobilized with iron/palladium bimetallic nanoparticles. Journal of Hazardous Materials, 2012, 211-212, 349-356.	12.4	65
54	Enhanced X-ray attenuation property of dendrimer-entrapped gold nanoparticles complexed with diatrizoic acid. Journal of Materials Chemistry, 2011, 21, 5120.	6.7	74

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55	Fabrication and characterization of water-stable electrospun polyethyleneimine/polyvinyl alcohol nanofibers with super dyesorption capability. New Journal of Chemistry, 2011, 35, 360-368.	2.8	53
56	Targeted delivery of doxorubicin into cancer cells using a folic acid–dendrimer conjugate. Polymer Chemistry, 2011, 2, 1754.	3.9	142
57	Exploring the dark side of MTT viability assay of cells cultured onto electrospun PLGA-based composite nanofibrous scaffolding materials. Analyst, The, 2011, 136, 2897.	3.5	37
58	Facile immobilization of gold nanoparticles into electrospun polyethyleneimine/polyvinyl alcohol nanofibers for catalytic applications. Journal of Materials Chemistry, 2011, 21, 4493.	6.7	178
59	Aminopropyltriethoxysilane-mediated surface functionalization of hydroxyapatite nanoparticles: synthesis, characterization, and in vitro toxicity assay. International Journal of Nanomedicine, 2011, 6, 3449.	6.7	65
60	Multifunctional dendrimer/combretastatin A4 inclusion complexes enable in vitro targeted cancer therapy. International Journal of Nanomedicine, 2011, 6, 2337.	6.7	41
61	Encapsulation of 2-methoxyestradiol within multifunctional poly(amidoamine) dendrimers for targeted cancer therapy. Biomaterials, 2011, 32, 3322-3329.	11.4	184
62	Synthesis and Antitumoral Activity of Gelatin/Polyoxometalate Hybrid Nanoparticles. Macromolecular Bioscience, 2011, 11, 839-847.	4.1	39
63	Acetylation of dendrimerâ€entrapped gold nanoparticles: Synthesis, stability, and Xâ€ray attenuation properties. Journal of Applied Polymer Science, 2011, 119, 1673-1682.	2.6	65
64	Improved cellular response on multiwalled carbon nanotube-incorporated electrospun polyvinyl alcohol/chitosan nanofibrous scaffolds. Colloids and Surfaces B: Biointerfaces, 2011, 84, 528-535.	5.0	138
65	Computed tomography imaging of cancer cells using acetylated dendrimer-entrapped gold nanoparticles. Biomaterials, 2011, 32, 2979-2988.	11.4	214
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	Fabrication of waterâ€stable electrospun polyacrylic acidâ€based nanofibrous mats for removal of copper (II) ions in aqueous solution. Journal of Applied Polymer Science, 2010, 116, 2409-2417.	2.6	19
68	X-ray Attenuation Property of Dendrimer-Entrapped Gold Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 50-56.	3.1	149
69	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
70	Multifunctional Nanocarriers for Cell Imaging, Drug Delivery, and Near-IR Photothermal Therapy. Langmuir, 2010, 26, 5428-5434.	3.5	174
71	Size-controlled synthesis of dendrimer-stabilized silver nanoparticles for X-ray computed tomography imaging applications. Polymer Chemistry, 2010, 1, 1677.	3.9	88
72	Effect of the Porous Microstructures of Poly(lactic-co-glycolic acid)/Carbon Nanotube Composites on the Growth of Fibroblast Cells. Soft Materials, 2010, 8, 239-253.	1.7	37

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73	Effect of Processing Variables on the Morphology of Electrospun Poly[(lactic acid)â€∢i>coâ€(glycolic) Tj ETQ	q1 _{3.6} 0.78	4314 rgBT (
74	Dualâ€Functional Alginic Acid Hybrid Nanospheres for Cell Imaging and Drug Delivery. Small, 2009, 5, 709-717.	10.0	65
75	Immobilization of Zerovalent Iron Nanoparticles into Electrospun Polymer Nanofibers: Synthesis, Characterization, and Potential Environmental Applications. Journal of Physical Chemistry C, 2009, 113, 18062-18068.	3.1	123
76	Polyelectrolyte Multilayer-Assisted Immobilization of Zero-Valent Iron Nanoparticles onto Polymer Nanofibers for Potential Environmental Applications. ACS Applied Materials & Interfaces, 2009, 1, 2848-2855.	8.0	72
77	Direct Facile Approach to the Fabrication of Chitosanâ^Gold Hybrid Nanospheres. Langmuir, 2008, 24, 3459-3464.	3.5	48
78	Superior antitumor efficiency of cisplatin-loaded nanoparticles by intratumoral delivery with decreased tumor metabolism rate. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 70, 726-734.	4.3	115
79	Synthesis of Alginic Acidâ^'Poly[2-(diethylamino)ethyl methacrylate] Monodispersed Nanoparticles by a Polymerâ^'Monomer Pair Reaction System. Biomacromolecules, 2007, 8, 843-850.	5.4	42
80	New approach for the preparation of nanoporous polyorganosilicate low-k films. Journal of Applied Polymer Science, 2007, 103, 1238-1243.	2.6	2
81	10-Hydroxycamptothecin loaded nanoparticles: Preparation and antitumor activity in mice. Journal of Controlled Release, 2007, 119, 153-162.	9.9	136