

# Xiangyang Shi

## List of Publications by Citations

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471  
papers

22,468  
citations

79  
h-index

124  
g-index

510  
ext. papers

25,217  
ext. citations

7.5  
avg, IF

7.25  
L-index

#	Paper	IF	Citations
471	Interaction of poly(amidoamine) dendrimers with supported lipid bilayers and cells: hole formation and the relation to transport. <i>Bioconjugate Chemistry</i> , <b>2004</b> , 15, 774-82	6.3	508
470	PEGylated dendrimer-entrapped gold nanoparticles for in vivo blood pool and tumor imaging by computed tomography. <i>Biomaterials</i> , <b>2012</b> , 33, 1107-19	15.6	335
469	Biodegradable Polymer Nanogels for Drug/Nucleic Acid Delivery. <i>Chemical Reviews</i> , <b>2015</b> , 115, 8564-6086	8.1	330
468	Hyaluronic acid-modified Fe <sub>3</sub> O <sub>4</sub> @Au core/shell nanostars for multimodal imaging and photothermal therapy of tumors. <i>Biomaterials</i> , <b>2015</b> , 38, 10-21	15.6	314
467	Dendrimer-entrapped gold nanoparticles as a platform for cancer-cell targeting and imaging. <i>Small</i> , <b>2007</b> , 3, 1245-52	11	291
466	Dendrimer-Functionalized Shell-crosslinked Iron Oxide Nanoparticles for In-Vivo Magnetic Resonance Imaging of Tumors. <i>Advanced Materials</i> , <b>2008</b> , 20, 1671-1678	24	258
465	Enhanced proliferation and osteogenic differentiation of mesenchymal stem cells on graphene oxide-incorporated electrospun poly(lactic-co-glycolic acid) nanofibrous mats. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 6331-9	9.5	246
464	Facile hydrothermal synthesis and surface functionalization of polyethyleneimine-coated iron oxide nanoparticles for biomedical applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 1722-31	9.5	237
463	Targeted dual-contrast T1- and T2-weighted magnetic resonance imaging of tumors using multifunctional gadolinium-labeled superparamagnetic iron oxide nanoparticles. <i>Biomaterials</i> , <b>2011</b> , 32, 4584-93	15.6	232
462	Electrospun poly(lactic-co-glycolic acid)/halloysite nanotube composite nanofibers for drug encapsulation and sustained release. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 10622		223
461	Multifunctional dendrimer-entrapped gold nanoparticles for dual mode CT/MR imaging applications. <i>Biomaterials</i> , <b>2013</b> , 34, 1570-80	15.6	222
460	Silver/dendrimer nanocomposites as biomarkers: fabrication, characterization, in vitro toxicity, and intracellular detection. <i>Nano Letters</i> , <b>2005</b> , 5, 2123-30	11.5	221
459	Polyethyleneimine-mediated synthesis of folic acid-targeted iron oxide nanoparticles for in vivo tumor MR imaging. <i>Biomaterials</i> , <b>2013</b> , 34, 8382-92	15.6	215
458	A Facile Hydrothermal Synthesis of Iron Oxide Nanoparticles with Tunable Magnetic Properties. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 13593-13599	3.8	215
457	Water-soluble superparamagnetic manganese ferrite nanoparticles for magnetic resonance imaging. <i>Biomaterials</i> , <b>2010</b> , 31, 3667-73	15.6	215
456	Construction of iron oxide nanoparticle-based hybrid platforms for tumor imaging and therapy. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 1874-1900	58.5	214
455	Characterization and antibacterial activity of amoxicillin-loaded electrospun nano-hydroxyapatite/poly(lactic-co-glycolic acid) composite nanofibers. <i>Biomaterials</i> , <b>2013</b> , 34, 1402-12	15.6	207

454	Hyaluronic acid-modified hydrothermally synthesized iron oxide nanoparticles for targeted tumor MR imaging. <i>Biomaterials</i> , <b>2014</b> , 35, 3666-77	15.6	206
453	Gene delivery using dendrimer-entrapped gold nanoparticles as nonviral vectors. <i>Biomaterials</i> , <b>2012</b> , 33, 3025-35	15.6	200
452	Targeted CT/MR dual mode imaging of tumors using multifunctional dendrimer-entrapped gold nanoparticles. <i>Biomaterials</i> , <b>2013</b> , 34, 5200-9	15.6	194
451	Computed tomography imaging of cancer cells using acetylated dendrimer-entrapped gold nanoparticles. <i>Biomaterials</i> , <b>2011</b> , 32, 2979-88	15.6	191
450	Polyelectrolyte multilayer nanoreactors toward the synthesis of diverse nanostructured materials. <i>Progress in Polymer Science</i> , <b>2004</b> , 29, 987-1019	29.6	190
449	Dendritic chelating agents. 1. Cu(II) binding to ethylene diamine core poly(amidoamine) dendrimers in aqueous solutions. <i>Langmuir</i> , <b>2004</b> , 20, 2640-51	4	187
448	Silica-Coated Manganese Oxide Nanoparticles as a Platform for Targeted Magnetic Resonance and Fluorescence Imaging of Cancer Cells. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 1733-1741	15.6	186
447	Folic acid-modified dendrimer-entrapped gold nanoparticles as nanoprobes for targeted CT imaging of human lung adenocarcinoma. <i>Biomaterials</i> , <b>2013</b> , 34, 470-80	15.6	178
446	Encapsulation of 2-methoxyestradiol within multifunctional poly(amidoamine) dendrimers for targeted cancer therapy. <i>Biomaterials</i> , <b>2011</b> , 32, 3322-9	15.6	170
445	Dendrimer-Functionalized Iron Oxide Nanoparticles for Specific Targeting and Imaging of Cancer Cells. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3043-3050	15.6	170
444	Facile immobilization of gold nanoparticles into electrospun polyethyleneimine/polyvinyl alcohol nanofibers for catalytic applications. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 4493		164
443	Targeted cancer theranostics using alpha-tocopheryl succinate-conjugated multifunctional dendrimer-entrapped gold nanoparticles. <i>Biomaterials</i> , <b>2014</b> , 35, 7635-46	15.6	158
442	Efficient catalytic reduction of hexavalent chromium using palladium nanoparticle-immobilized electrospun polymer nanofibers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 3054-61	9.5	157
441	Dendrimer-based organic/inorganic hybrid nanoparticles in biomedical applications. <i>Nanoscale</i> , <b>2010</b> , 2, 1596-610	7.7	154
440	Encapsulation of amoxicillin within laponite-doped poly(lactic-co-glycolic acid) nanofibers: preparation, characterization, and antibacterial activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 6393-401	9.5	151
439	Synthesis, characterization, and intracellular uptake of carboxyl-terminated poly(amidoamine) dendrimer-stabilized iron oxide nanoparticles. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 5712-20	3.6	149
438	Controlled release and antibacterial activity of antibiotic-loaded electrospun halloysite/poly(lactic-co-glycolic acid) composite nanofibers. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 110, 148-55	6	146
437	Tungsten oxide nanorods: an efficient nanoplatform for tumor CT imaging and photothermal therapy. <i>Scientific Reports</i> , <b>2014</b> , 4, 3653	4.9	145

436	Laponite nanodisks as an efficient platform for Doxorubicin delivery to cancer cells. <i>Langmuir</i> , <b>2013</b> , 29, 5030-6	4	145
435	X-ray Attenuation Property of Dendrimer-Entrapped Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 50-56	3.8	141
434	Formation of Gold Nanostar-Coated Hollow Mesoporous Silica for Tumor Multimodality Imaging and Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 5817-5827	9.5	140
433	Multifunctional dendrimer-modified multiwalled carbon nanotubes: synthesis, characterization, and in vitro cancer cell targeting and imaging. <i>Biomacromolecules</i> , <b>2009</b> , 10, 1744-50	6.9	135
432	Dendrimer-based nanodevices for targeted drug delivery applications. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 4199-4211	7.3	134
431	Redox-responsive alginate nanogels with enhanced anticancer cytotoxicity. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3140-6	6.9	134
430	Targeted delivery of doxorubicin into cancer cells using a folic acid-dendrimer conjugate. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 1754	4.9	126
429	Improved biocompatibility of surface functionalized dendrimer-entrapped gold nanoparticles. <i>Soft Matter</i> , <b>2006</b> , 3, 71-74	3.6	125
428	Dendrimer-based molecular imaging contrast agents. <i>Progress in Polymer Science</i> , <b>2015</b> , 44, 1-27	29.6	122
427	Dendrimers in combination with natural products and analogues as anti-cancer agents. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 514-532	58.5	122
426	RGD peptide-modified dendrimer-entrapped gold nanoparticles enable highly efficient and specific gene delivery to stem cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 4833-43	9.5	121
425	Facile assembly of Fe <sub>3</sub> O <sub>4</sub> @Au nanocomposite particles for dual mode magnetic resonance and computed tomography imaging applications. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15110		120
424	Excellent copper(II) removal using zero-valent iron nanoparticle-immobilized hybrid electrospun polymer nanofibrous mats. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 381, 48-54	5.1	120
423	Improved cellular response on multiwalled carbon nanotube-incorporated electrospun polyvinyl alcohol/chitosan nanofibrous scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 84, 528-35	6	118
422	Polyethyleneimine-Mediated Functionalization of Multiwalled Carbon Nanotubes: Synthesis, Characterization, and In Vitro Toxicity Assay. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 3150-3156	3.8	118
421	Multifunctional lactobionic acid-modified dendrimers for targeted drug delivery to liver cancer cells: investigating the role played by PEG spacer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16416-25	9.5	116
420	Facile one-pot synthesis of Fe <sub>3</sub> O <sub>4</sub> @Au composite nanoparticles for dual-mode MR/CT imaging applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 10357-66	9.5	116
419	Immobilization of Zerovalent Iron Nanoparticles into Electrospun Polymer Nanofibers: Synthesis, Characterization, and Potential Environmental Applications. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 18062-18068	3.8	115

418	Multifunctional dendrimer-entrapped gold nanoparticles modified with RGD peptide for targeted computed tomography/magnetic resonance dual-modal imaging of tumors. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 3949-56	7.8	111
417	Lactobionic acid-modified dendrimer-entrapped gold nanoparticles for targeted computed tomography imaging of human hepatocellular carcinoma. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6944-53	9.5	107
416	Antitumor efficacy of doxorubicin-loaded electrospun nano-hydroxyapatite/poly(lactic-co-glycolic acid) composite nanofibers. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 933-941	4.9	107
415	Dendrimer-Assisted Formation of Fe <sub>3</sub> O <sub>4</sub> /Au Nanocomposite Particles for Targeted Dual Mode CT/MR Imaging of Tumors. <i>Small</i> , <b>2015</b> , 11, 4584-93	11	107
414	Characterization of crystalline dendrimer-stabilized gold nanoparticles. <i>Nanotechnology</i> , <b>2006</b> , 17, 1072-1078	10.78	106
413	Spontaneous Formation of Functionalized Dendrimer-Stabilized Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 112, 8251-8258	3.8	105
412	Formation of Uniform Polyaniline Thin Shells and Hollow Capsules Using Polyelectrolyte-Coated Microspheres as Templates. <i>Macromolecules</i> , <b>2003</b> , 36, 4093-4098	5.5	105
411	Facile one-pot preparation, surface functionalization, and toxicity assay of APTS-coated iron oxide nanoparticles. <i>Nanotechnology</i> , <b>2012</b> , 23, 105601	3.4	104
410	Fabrication of multiwalled carbon nanotube-reinforced electrospun polymer nanofibers containing zero-valent iron nanoparticles for environmental applications. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 5700		104
409	Release Behavior of Thin-Walled Microcapsules Composed of Polyelectrolyte Multilayers. <i>Langmuir</i> , <b>2001</b> , 17, 2036-2042	4	101
408	RGD-functionalized ultrasmall iron oxide nanoparticles for targeted T <sub>2</sub> -weighted MR imaging of gliomas. <i>Nanoscale</i> , <b>2015</b> , 7, 14538-46	7.7	95
407	Synthesis and characterization of PEGylated polyethylenimine-entrapped gold nanoparticles for blood pool and tumor CT imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 17190-9	9.5	94
406	UTMD-Promoted Co-Delivery of Gemcitabine and miR-21 Inhibitor by Dendrimer-Entrapped Gold Nanoparticles for Pancreatic Cancer Therapy. <i>Theranostics</i> , <b>2018</b> , 8, 1923-1939	12.1	92
405	Multifunctional Fe <sub>3</sub> O <sub>4</sub> @ Au core/shell nanostars: a unique platform for multimode imaging and photothermal therapy of tumors. <i>Scientific Reports</i> , <b>2016</b> , 6, 28325	4.9	89
404	Targeted and pH-responsive delivery of doxorubicin to cancer cells using multifunctional dendrimer-modified multi-walled carbon nanotubes. <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 1267-76	10.1	89
403	RGD peptide-modified multifunctional dendrimer platform for drug encapsulation and targeted inhibition of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 125, 82-9	6	87
402	Chlorotoxin-Conjugated Multifunctional Dendrimers Labeled with Radionuclide <sup>131</sup> I for Single Photon Emission Computed Tomography Imaging and Radiotherapy of Gliomas. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19798-808	9.5	86
401	Targeted tumor computed tomography imaging using low-generation dendrimer-stabilized gold nanoparticles. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 6409-16	4.8	86

400	Targeted tumor CT imaging using folic acid-modified PEGylated dendrimer-entrapped gold nanoparticles. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 4412	4.9	85
399	Carbon nanotube-incorporated multilayered cellulose acetate nanofibers for tissue engineering applications. <i>Carbohydrate Polymers</i> , <b>2013</b> , 91, 419-27	10.3	84
398	Electrospun laponite-doped poly(lactic-co-glycolic acid) nanofibers for osteogenic differentiation of human mesenchymal stem cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 23357		82
397	Size-controlled synthesis of dendrimer-stabilized silver nanoparticles for X-ray computed tomography imaging applications. <i>Polymer Chemistry</i> , <b>2010</b> , 1, 1677	4.9	81
396	Influence of dendrimer surface charge on the bioactivity of 2-methoxyestradiol complexed with dendrimers. <i>Soft Matter</i> , <b>2010</b> , 6, 2539-2545	3.6	81
395	Acetylation of dendrimer-entrapped gold and silver nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 586-593		81
394	Dendrimer-Modified MoS Nanoflakes as a Platform for Combinational Gene Silencing and Photothermal Therapy of Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15995-16005	9.5	80
393	Biocompatibility of electrospun halloysite nanotube-doped poly(lactic-co-glycolic acid) composite nanofibers. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2012</b> , 23, 299-313	3.5	79
392	Tunable synthesis and immobilization of zero-valent iron nanoparticles for environmental applications. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 8884-9	10.3	79
391	Hyaluronic acid-modified multiwalled carbon nanotubes for targeted delivery of doxorubicin into cancer cells. <i>Carbohydrate Research</i> , <b>2015</b> , 405, 70-7	2.9	78
390	Genome sequence of the plant-pathogenic bacterium <i>Dickeya dadantii</i> 3937. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 2076-7	3.5	78
389	Targeting and detecting cancer cells using spontaneously formed multifunctional dendrimer-stabilized gold nanoparticles. <i>Analyst, The</i> , <b>2009</b> , 134, 1373-9	5	77
388	Facile formation of dendrimer-stabilized gold nanoparticles modified with diatrizoic acid for enhanced computed tomography imaging applications. <i>Nanoscale</i> , <b>2012</b> , 4, 6768-78	7.7	76
387	Comprehensive characterization of surface-functionalized poly(amidoamine) dendrimers with acetamide, hydroxyl, and carboxyl groups. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 272, 139-150	5.1	76
386	Formation of Cobalt Oxide Nanotubes: Effect of Intermolecular Hydrogen Bonding between Co(III) Complex Precursors Incorporated onto Colloidal Templates. <i>Nano Letters</i> , <b>2002</b> , 2, 289-293	11.5	76
385	(99m)Tc-Labeled Multifunctional Low-Generation Dendrimer-Entrapped Gold Nanoparticles for Targeted SPECT/CT Dual-Mode Imaging of Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 19883-91	9.5	75
384	PEGylated polyethylenimine-entrapped gold nanoparticles modified with folic acid for targeted tumor CT imaging. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 140, 489-496	6	75
383	Dendrimer-based magnetic iron oxide nanoparticles: their synthesis and biomedical applications. <i>Drug Discovery Today</i> , <b>2016</b> , 21, 1873-1885	8.8	74



382	Amphiphilic polymer-mediated formation of laponite-based nanohybrids with robust stability and pH sensitivity for anticancer drug delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16687-95	9.5	73
381	Dendrimer-Stabilized Gold Nanoflowers Embedded with Ultrasmall Iron Oxide Nanoparticles for Multimode Imaging-Guided Combination Therapy of Tumors. <i>Advanced Science</i> , <b>2018</b> , 5, 1801612	13.6	73
380	Hemocompatibility of electrospun halloysite nanotube- and carbon nanotube-doped composite poly(lactic-co-glycolic acid) nanofibers. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4825-4832	2.9	72
379	Effect of Processing Variables on the Morphology of Electrospun Poly[(lactic acid)-co-(glycolic acid)] Nanofibers. <i>Macromolecular Materials and Engineering</i> , <b>2009</b> , 294, 666-672	3.9	72
378	Conjugation of iron oxide nanoparticles with RGD-modified dendrimers for targeted tumor MR imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 5420-8	9.5	71
377	Synthesis of PEGylated low generation dendrimer-entrapped gold nanoparticles for CT imaging applications. <i>Nanoscale</i> , <b>2014</b> , 6, 4521-6	7.7	70
376	Enhanced X-ray attenuation property of dendrimer-entrapped gold nanoparticles complexed with diatrizoic acid. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 5120		70
375	Polyelectrolyte multilayer-assisted immobilization of zero-valent iron nanoparticles onto polymer nanofibers for potential environmental applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 2848-55	9.5	69
374	pH sensitive Laponite/alginate hybrid hydrogels: swelling behaviour and release mechanism. <i>Soft Matter</i> , <b>2011</b> , 7, 6231	3.6	68
373	Dendrimer-Stabilized Gold Nanostars as a Multifunctional Theranostic Nanoplatfom for CT Imaging, Photothermal Therapy, and Gene Silencing of Tumors. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 3203-3213	10.1	68
372	Dendrimer-assisted formation of fluorescent nanogels for drug delivery and intracellular imaging. <i>Biomacromolecules</i> , <b>2014</b> , 15, 492-9	6.9	67
371	Hydrothermal Synthesis and Functionalization of Iron Oxide Nanoparticles for MR Imaging Applications. <i>Particle and Particle Systems Characterization</i> , <b>2014</b> , 31, 1223-1237	3.1	67
370	High activity enzyme microcrystal multilayer films. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 8121-2	16.4	67
369	Zwitterionic Gadolinium(III)-Complexed Dendrimer-Entrapped Gold Nanoparticles for Enhanced Computed Tomography/Magnetic Resonance Imaging of Lung Cancer Metastasis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15212-15221	9.5	66
368	HPLC separation of different generations of poly(amidoamine) dendrimers modified with various terminal groups. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 2063-70	7.8	64
367	Construction of polydopamine-coated gold nanostars for CT imaging and enhanced photothermal therapy of tumors: an innovative theranostic strategy. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 4216-4226	7.3	64
366	Fabrication and morphology control of electrospun poly(L-glutamic acid) nanofibers for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 89, 254-64	6	63
365	Electrostatic Interactions between Polyelectrolytes and a Titania Precursor: Thin Film and Solution Studies. <i>Langmuir</i> , <b>2002</b> , 18, 904-910	4	63

364	Poly(amidoamine) Dendrimer-Coordinated Copper(II) Complexes as a Theranostic Nanoplatfom for the Radiotherapy-Enhanced Magnetic Resonance Imaging and Chemotherapy of Tumors and Tumor Metastasis. <i>Nano Letters</i> , <b>2019</b> , 19, 1216-1226	11.5	62
363	Dynamically tuning near-infrared-induced photothermal performances of TiO nanocrystals by Nb doping for imaging-guided photothermal therapy of tumors. <i>Nanoscale</i> , <b>2017</b> , 9, 9148-9159	7.7	61
362	Folic acid-modified laponite nanodisks for targeted anticancer drug delivery. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 7410-7418	7.3	61
361	Enhanced dechlorination of trichloroethylene using electrospun polymer nanofibrous mats immobilized with iron/palladium bimetallic nanoparticles. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 211-212, 349-56	12.8	61
360	The role of ganglioside GM1 in cellular internalization mechanisms of poly(amidoamine) dendrimers. <i>Bioconjugate Chemistry</i> , <b>2009</b> , 20, 1503-13	6.3	61
359	Synthesis of polyethyleneimine-stabilized gold nanoparticles for colorimetric sensing of heparin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 419, 80-86	5.1	60
358	Surface modification and PEGylation of branched polyethyleneimine for improved biocompatibility. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 3807-3813	2.9	60
357	Acetylation of dendrimer-entrapped gold nanoparticles: Synthesis, stability, and X-ray attenuation properties. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 1673-1682	2.9	60
356	Multifunctional Dendrimer-Entrapped Gold Nanoparticles Conjugated with Doxorubicin for pH-Responsive Drug Delivery and Targeted Computed Tomography Imaging. <i>Langmuir</i> , <b>2018</b> , 34, 12428-12435	4.2	60
355	Hyaluronic acid-functionalized electrospun PLGA nanofibers embedded in a microfluidic chip for cancer cell capture and culture. <i>Biomaterials Science</i> , <b>2017</b> , 5, 752-761	7.4	58
354	Dendrimer-entrapped gold nanoparticles modified with RGD peptide and alpha-tocopheryl succinate enable targeted theranostics of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 133, 36-42	6	58
353	Dendrimer-stabilized bismuth sulfide nanoparticles: synthesis, characterization, and potential computed tomography imaging applications. <i>Analyst, The</i> , <b>2013</b> , 138, 3172-80	5	58
352	Tumor microvasculature targeting with dendrimer-entrapped gold nanoparticles. <i>Soft Matter</i> , <b>2008</b> , 4, 2160-2163	3.6	58
351	Construction of Electrospun Organic/Inorganic Hybrid Nanofibers for Drug Delivery and Tissue Engineering Applications. <i>Advanced Fiber Materials</i> , <b>2019</b> , 1, 32-45	10.9	56
350	Synthesis, characterization, and manipulation of dendrimer-stabilized iron sulfide nanoparticles. <i>Nanotechnology</i> , <b>2006</b> , 17, 4554-4560	3.4	56
349	Molecular heterogeneity analysis of poly(amidoamine) dendrimer-based mono- and multifunctional nanodevices by capillary electrophoresis. <i>Analyst, The</i> , <b>2006</b> , 131, 374-81	5	56
348	Multifunctional PEI-entrapped gold nanoparticles enable efficient delivery of therapeutic siRNA into glioblastoma cells. <i>Biomaterials Science</i> , <b>2017</b> , 5, 258-266	7.4	55
347	Facile synthesis of RGD peptide-modified iron oxide nanoparticles with ultrahigh relaxivity for targeted MR imaging of tumors. <i>Biomaterials Science</i> , <b>2015</b> , 3, 721-32	7.4	55



346	An RGD-modified hollow silica@Au core/shell nanoplatform for tumor combination therapy. <i>Acta Biomaterialia</i> , <b>2017</b> , 62, 273-283	10.8	55
345	Radionuclide (131)I-labeled multifunctional dendrimers for targeted SPECT imaging and radiotherapy of tumors. <i>Nanoscale</i> , <b>2015</b> , 7, 18169-78	7.7	54
344	Design of electrospun nanofibrous mats for osteogenic differentiation of mesenchymal stem cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 2505-2520	6	54
343	FRactal Calculus and Its Application to Explanation of Biomechanism of Polar Bear Hairs. <i>Fractals</i> , <b>2018</b> , 26, 1850086	3.2	54
342	Tunable synthesis and acetylation of dendrimer-entrapped or dendrimer-stabilized gold-silver alloy nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 94, 58-67	6	54
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