

Xiangyang Shi

List of Publications by Year in descending order

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716
papers

31,000
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4876

86
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12194

135
g-index

769
all docs

769
docs citations

769
times ranked

40060
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of Poly(amidoamine) Dendrimers with Supported Lipid Bilayers and Cells: Hole Formation and the Relation to Transport. <i>Bioconjugate Chemistry</i> , 2004, 15, 774-782.	3.8	560
2	An open access database for the evaluation of heart sound algorithms. <i>Physiological Measurement</i> , 2016, 37, 2181-2213.	2.2	513
3	PEGylated dendrimer-entrapped gold nanoparticles for in vivo blood pool and tumor imaging by computed tomography. <i>Biomaterials</i> , 2012, 33, 1107-1119.	11.8	371
4	Dendrimer-Entrapped Gold Nanoparticles as a Platform for Cancer-Cell Targeting and Imaging. <i>Small</i> , 2007, 3, 1245-1252.	11.2	316
5	Construction of iron oxide nanoparticle-based hybrid platforms for tumor imaging and therapy. <i>Chemical Society Reviews</i> , 2018, 47, 1874-1900.	40.3	315
6	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 & Interfaces</i> , 2015, 7, 6331-6339.	8.3	292
7	Facile Hydrothermal Synthesis of Iron Oxide Nanoparticles with Tunable Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13593-13599.	3.3	284
8	The biosynthetic gene cluster for the microtubule-stabilizing agents epothilones A and B from <i>Sorangium cellulosum</i> So ce90. <i>Chemistry and Biology</i> , 2000, 7, 97-109.	6.2	282
9	Facile Hydrothermal Synthesis and Surface Functionalization of Polyethyleneimine-Coated Iron Oxide Nanoparticles for Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1722-1731.	8.3	274
10	Dendrimer-Functionalized Shell-Crosslinked Iron Oxide Nanoparticles for In vivo Magnetic Resonance Imaging of Tumors. <i>Advanced Materials</i> , 2008, 20, 1671-1678.	24.3	272
11	Targeted dual-contrast T1- and T2-weighted magnetic resonance imaging of tumors using multifunctional gadolinium-labeled superparamagnetic iron oxide nanoparticles. <i>Biomaterials</i> , 2011, 32, 4584-4593.	11.8	260
12	Electrospun poly(lactic-co-glycolic acid)/halloysite nanotube composite nanofibers for drug encapsulation and sustained release. <i>Journal of Materials Chemistry</i> , 2010, 20, 10622.	6.7	254
13	Polyethyleneimine-mediated synthesis of folic acid-targeted iron oxide nanoparticles for in vivo tumor MR imaging. <i>Biomaterials</i> , 2013, 34, 8382-8392.	11.8	252
14	Multifunctional dendrimer-entrapped gold nanoparticles for dual mode CT/MR imaging applications. <i>Biomaterials</i> , 2013, 34, 1570-1580.	11.8	249
15	Characterization and antibacterial activity of amoxicillin-loaded electrospun nano-hydroxyapatite/poly(lactic-co-glycolic acid) composite nanofibers. <i>Biomaterials</i> , 2013, 34, 1402-1412.	11.8	243
16	Hyaluronic acid-modified hydrothermally synthesized iron oxide nanoparticles for targeted tumor MR imaging. <i>Biomaterials</i> , 2014, 35, 3666-3677.	11.8	240
17	Silver/Dendrimer Nanocomposites as Biomarkers: Fabrication, Characterization, in Vitro Toxicity, and Intracellular Detection. <i>Nano Letters</i> , 2005, 5, 2123-2130.	9.5	239
18	Water-soluble superparamagnetic manganese ferrite nanoparticles for magnetic resonance imaging. <i>Biomaterials</i> , 2010, 31, 3667-3673.	11.8	238

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19	Fe-Ni-Mo Nitride Porous Nanotubes for Full Water Splitting and Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802327.	22.2	238
20	Essential role for the p110 β isoform in phosphoinositide 3-kinase activation and cell proliferation in acute myeloid leukemia. <i>Blood</i> , 2005, 106, 1063-1066.	1.4	233
21	Gene delivery using dendrimer-entrapped gold nanoparticles as nonviral vectors. <i>Biomaterials</i> , 2012, 33, 3025-3035.	11.8	231
22	Computed tomography imaging of cancer cells using acetylated dendrimer-entrapped gold nanoparticles. <i>Biomaterials</i> , 2011, 32, 2979-2988.	11.8	217
23	Targeted CT/MR dual mode imaging of tumors using multifunctional dendrimer-entrapped gold nanoparticles. <i>Biomaterials</i> , 2013, 34, 5200-5209.	11.8	210
24	Polyelectrolyte multilayer nanoreactors toward the synthesis of diverse nanostructured materials. <i>Progress in Polymer Science</i> , 2004, 29, 987-1019.	26.2	206
25	Folic acid-modified dendrimer-entrapped gold nanoparticles as nanoprobe for targeted CT imaging of human lung adenocarcinoma. <i>Biomaterials</i> , 2013, 34, 470-480.	11.8	206
26	Dendritic Chelating Agents. 1. Cu(II) Binding to Ethylene Diamine Core Poly(amidoamine) Dendrimers in Aqueous Solutions. <i>Langmuir</i> , 2004, 20, 2640-2651.	3.7	201
27	Silica-Coated Manganese Oxide Nanoparticles as a Platform for Targeted Magnetic Resonance and Fluorescence Imaging of Cancer Cells. <i>Advanced Functional Materials</i> , 2010, 20, 1733-1741.	16.5	198
28	Formation of Gold Nanostar-Coated Hollow Mesoporous Silica for Tumor Multimodality Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5817-5827.	8.3	195
29	Encapsulation of 2-methoxyestradiol within multifunctional poly(amidoamine) dendrimers for targeted cancer therapy. <i>Biomaterials</i> , 2011, 32, 3322-3329.	11.8	185
30	Targeted cancer theranostics using alpha-tocopheryl succinate-conjugated multifunctional dendrimer-entrapped gold nanoparticles. <i>Biomaterials</i> , 2014, 35, 7635-7646.	11.8	184
31	miR172 signals are incorporated into the miR156 signaling pathway at the SPL3/4/5 genes in Arabidopsis developmental transitions. <i>Plant Molecular Biology</i> , 2011, 76, 35-45.	4.0	183
32	Encapsulation of Amoxicillin within Laponite-Doped Poly(lactic-co-glycolic acid) Nanofibers: Preparation, Characterization, and Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6393-6401.	8.3	181
33	Efficient Catalytic Reduction of Hexavalent Chromium Using Palladium Nanoparticle-Immobilized Electrospun Polymer Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3054-3061.	8.3	181
34	Dendrimer-Functionalized Iron Oxide Nanoparticles for Specific Targeting and Imaging of Cancer Cells. <i>Advanced Functional Materials</i> , 2007, 17, 3043-3050.	16.5	180
35	Synthesis, characterization, and intracellular uptake of carboxyl-terminated poly(amidoamine) dendrimer-stabilized iron oxide nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 5712.	2.9	171
36	Dendrimers in combination with natural products and analogues as anti-cancer agents. <i>Chemical Society Reviews</i> , 2018, 47, 514-532.	40.3	171

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37	Marriage of heavy main group elements with I^{\ominus} -conjugated materials for optoelectronic applications. <i>Chemical Communications</i> , 2016, 52, 9485-9505.	4.2	170
38	Controlled release and antibacterial activity of antibiotic-loaded electrospun halloysite/poly(lactic-co-glycolic acid) composite nanofibers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 148-155.	5.1	168
39	Tungsten Oxide Nanorods: An Efficient Nanoplatform for Tumor CT Imaging and Photothermal Therapy. <i>Scientific Reports</i> , 2014, 4, 3653.	3.4	168
40	Dendrimer-based organic/inorganic hybrid nanoparticles in biomedical applications. <i>Nanoscale</i> , 2010, 2, 1596.	5.8	166
41	Redox-Responsive Alginate Nanogels with Enhanced Anticancer Cytotoxicity. <i>Biomacromolecules</i> , 2013, 14, 3140-3146.	5.6	157
42	Identification and diagnosis of patients with familial chylomicronaemia syndrome (FCS): Expert panel recommendations and proposal of an "FCS score". <i>Atherosclerosis</i> , 2018, 275, 265-272.	0.8	146
43	Targeted delivery of doxorubicin into cancer cells using a folic acid "dendrimer conjugate. <i>Polymer Chemistry</i> , 2011, 2, 1754.	4.0	145
44	Dendrimer-based molecular imaging contrast agents. <i>Progress in Polymer Science</i> , 2015, 44, 1-27.	26.2	142
45	UTMD-Promoted Co-Delivery of Gemcitabine and miR-21 Inhibitor by Dendrimer-Entrapped Gold Nanoparticles for Pancreatic Cancer Therapy. <i>Theranostics</i> , 2018, 8, 1923-1939.	9.9	138
46	RGD Peptide-Modified Dendrimer-Entrapped Gold Nanoparticles Enable Highly Efficient and Specific Gene Delivery to Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4833-4843.	8.3	136
47	Pumping-out photo-surfactants from an air-water interface using light. <i>Soft Matter</i> , 2011, 7, 7866.	2.8	133
48	Reinforcement Learning-Based Variable Speed Limit Control Strategy to Reduce Traffic Congestion at Freeway Recurrent Bottlenecks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017, 18, 3204-3217.	8.4	133
49	Improved biocompatibility of surface functionalized dendrimer-entrapped gold nanoparticles. <i>Soft Matter</i> , 2007, 3, 71-74.	2.8	132
50	RGD-functionalized ultrasmall iron oxide nanoparticles for targeted T_1 -weighted MR imaging of gliomas. <i>Nanoscale</i> , 2015, 7, 14538-14546.	5.8	132
51	Immobilization of Zerovalent Iron Nanoparticles into Electrospun Polymer Nanofibers: Synthesis, Characterization, and Potential Environmental Applications. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18062-18068.	3.3	126
52	Lactobionic Acid-Modified Dendrimer-Entrapped Gold Nanoparticles for Targeted Computed Tomography Imaging of Human Hepatocellular Carcinoma. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6944-6953.	8.3	124
53	Multi-Responsive Biodegradable Cationic Nanogels for Highly Efficient Treatment of Tumors. <i>Advanced Functional Materials</i> , 2021, 31, 2100227.	16.5	124
54	Polyethyleneimine-Mediated Functionalization of Multiwalled Carbon Nanotubes: Synthesis, Characterization, and In Vitro Toxicity Assay. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3150-3156.	3.3	123

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55	Multifunctional Dendrimer-Entrapped Gold Nanoparticles Modified with RGD Peptide for Targeted Computed Tomography/Magnetic Resonance Dual-Modal Imaging of Tumors. <i>Analytical Chemistry</i> , 2015, 87, 3949-3956.	6.8	122
56	Spontaneous Formation of Functionalized Dendrimer-Stabilized Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8251-8258.	3.3	120
57	Macrophage Membrane-Camouflaged Responsive Polymer Nanogels Enable Magnetic Resonance Imaging-Guided Chemotherapy/Chemodynamic Therapy of Orthotopic Glioma. <i>ACS Nano</i> , 2021, 15, 20377-20390.	15.3	120
58	Genome Sequence of the Plant-Pathogenic Bacterium <i>Dickeya dadantii</i> 3937. <i>Journal of Bacteriology</i> , 2011, 193, 2076-2077.	2.4	119
59	Dendrimer-Assisted Formation of Fe ₃ O ₄ /Au Nanocomposite Particles for Targeted Dual Mode CT/MR Imaging of Tumors. <i>Small</i> , 2015, 11, 4584-4593.	11.2	117
60	Dendrimer-Stabilized Gold Nanoflowers Embedded with Ultrasmall Iron Oxide Nanoparticles for Multimodal Imaging-Guided Combination Therapy of Tumors. <i>Advanced Science</i> , 2018, 5, 1801612.	12.4	117
61	Release Behavior of Thin-Walled Microcapsules Composed of Polyelectrolyte Multilayers. <i>Langmuir</i> , 2001, 17, 2036-2042.	3.7	116
62	Facile one-pot preparation, surface functionalization, and toxicity assay of APTS-coated iron oxide nanoparticles. <i>Nanotechnology</i> , 2012, 23, 105601.	2.7	114
63	Fabrication of multiwalled carbon nanotube-reinforced electrospun polymer nanofibers containing zero-valent iron nanoparticles for environmental applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 5700.	6.7	109
64	Targeted and pH-Responsive Delivery of Doxorubicin to Cancer Cells Using Multifunctional Dendrimer-Modified Multi-Walled Carbon Nanotubes. <i>Advanced Healthcare Materials</i> , 2013, 2, 1267-1276.	8.5	109
65	Synthesis and Characterization of PEGylated Polyethylenimine-Entrapped Gold Nanoparticles for Blood Pool and Tumor CT Imaging. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17190-17199.	8.3	109
66	Characterization of crystalline dendrimer-stabilized gold nanoparticles. <i>Nanotechnology</i> , 2006, 17, 1072-1078.	2.7	107
67	Fibronectin-Coated Metal-Phenolic Networks for Cooperative Tumor Chemo-/Chemodynamic/Immune Therapy via Enhanced Ferroptosis-Mediated Immunogenic Cell Death. <i>ACS Nano</i> , 2022, 16, 984-996.	15.3	107
68	Formation of Uniform Polyaniline Thin Shells and Hollow Capsules Using Polyelectrolyte-Coated Microspheres as Templates. <i>Macromolecules</i> , 2003, 36, 4093-4098.	5.1	105
69	Association between diabetes and amyotrophic lateral sclerosis in Sweden. <i>European Journal of Neurology</i> , 2015, 22, 1436-1442.	3.6	105
70	Surface-Charge-Switchable Nanoclusters for Magnetic Resonance Imaging-Guided and Glutathione Depletion-Enhanced Photodynamic Therapy. <i>ACS Nano</i> , 2020, 14, 11225-11237.	15.3	105
71	Zwitterionic Gadolinium(III)-Complexed Dendrimer-Entrapped Gold Nanoparticles for Enhanced Computed Tomography/Magnetic Resonance Imaging of Lung Cancer Metastasis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15212-15221.	8.3	101
72	RGD peptide-modified multifunctional dendrimer platform for drug encapsulation and targeted inhibition of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 82-89.	5.1	100

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73	Carbon nanotube-incorporated multilayered cellulose acetate nanofibers for tissue engineering applications. <i>Carbohydrate Polymers</i> , 2013, 91, 419-427.	10.5	98
74	Ultrasound-enhanced precision tumor theranostics using cell membrane-coated and pH-responsive nanoclusters assembled from ultrasmall iron oxide nanoparticles. <i>Nano Today</i> , 2021, 36, 101022.	12.3	98
75	Lost in Transgenesis. <i>Circulation Research</i> , 2012, 111, 761-777.	10.7	96
76	Hyaluronic acid-modified multiwalled carbon nanotubes for targeted delivery of doxorubicin into cancer cells. <i>Carbohydrate Research</i> , 2015, 405, 70-77.	2.4	96
77	Targeted tumor CT imaging using folic acid-modified PEGylated dendrimer-entrapped gold nanoparticles. <i>Polymer Chemistry</i> , 2013, 4, 4412.	4.0	95
78	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. <i>Nano Letters</i> , 2019, 19, 1216-1226.	9.5	95
79	Targeted Tumor Computed Tomography Imaging Using Low-Generation Dendrimer-Stabilized Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2013, 19, 6409-6416.	3.9	94
80	Dendrimer-Modified MoS ₂ Nanoflakes as a Platform for Combinational Gene Silencing and Photothermal Therapy of Tumors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15995-16005.	8.3	94
81	Solid nanoparticles for oral antimicrobial drug delivery: a review. <i>Drug Discovery Today</i> , 2019, 24, 858-866.	6.6	94
82	FRACTAL CALCULUS AND ITS APPLICATION TO EXPLANATION OF BIOMECHANISM OF POLAR BEAR HAIRS. <i>Fractals</i> , 2018, 26, 1850086.	3.1	93
83	Size-controlled synthesis of dendrimer-stabilized silver nanoparticles for X-ray computed tomography imaging applications. <i>Polymer Chemistry</i> , 2010, 1, 1677.	4.0	92
84	An RGD-modified hollow silica@Au core/shell nanoplatform for tumor combination therapy. <i>Acta Biomaterialia</i> , 2017, 62, 273-283.	8.8	92
85	Heterotypic cell-cell communication regulates glandular stem cell multipotency. <i>Nature</i> , 2020, 584, 608-613.	36.2	91
86	Dendrimer-based magnetic iron oxide nanoparticles: their synthesis and biomedical applications. <i>Drug Discovery Today</i> , 2016, 21, 1873-1885.	6.6	90
87	Doxorubicin-Conjugated PAMAM Dendrimers for pH-Responsive Drug Release and Folic Acid-Targeted Cancer Therapy. <i>Pharmaceutics</i> , 2018, 10, 162.	4.6	90
88	Biocompatibility of Electrospun Halloysite Nanotube-Doped Poly(Lactic-co-Glycolic Acid) Composite Nanofibers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 299-313.	3.6	88
89	PEGylated polyethylenimine-entrapped gold nanoparticles modified with folic acid for targeted tumor CT imaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 489-496.	5.1	88
90	Gd-/CuS-Loaded Functional Nanogels for MR/PA Imaging-Guided Tumor-Targeted Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9107-9117.	8.3	88

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91	Randomized comparison of intravenous procainamide vs. intravenous amiodarone for the acute treatment of tolerated wide QRS tachycardia: the PROCAMIO study. <i>European Heart Journal</i> , 2017, 38, ehw230.	2.3	87
92	Facile formation of dendrimer-stabilized gold nanoparticles modified with diatrizoic acid for enhanced computed tomography imaging applications. <i>Nanoscale</i> , 2012, 4, 6768.	5.8	86
93	Influence of dendrimer surface charge on the bioactivity of 2-methoxyestradiol complexed with dendrimers. <i>Soft Matter</i> , 2010, 6, 2539.	2.8	85
94	Dynamically tuning near-infrared-induced photothermal performances of TiO ₂ nanocrystals by Nb doping for imaging-guided photothermal therapy of tumors. <i>Nanoscale</i> , 2017, 9, 9148-9159.	5.8	85
95	3D Printed High-Loading Lithium-Sulfur Battery Toward Wearable Energy Storage. <i>Advanced Functional Materials</i> , 2020, 30, 1909469.	16.5	85
96	Targeting and detecting cancer cells using spontaneously formed multifunctional dendrimer-stabilized gold nanoparticles. <i>Analyst</i> , 2009, 134, 1373.	3.5	84
97	Tunable Synthesis and Immobilization of Zero-Valent Iron Nanoparticles for Environmental Applications. <i>Environmental Science & Technology</i> , 2008, 42, 8884-8889.	10.5	83
98	Acetylation of dendrimer-entrapped gold and silver nanoparticles. <i>Journal of Materials Chemistry</i> , 2008, 18, 586-593.	6.7	83
99	Construction of Electrospun Organic/Inorganic Hybrid Nanofibers for Drug Delivery and Tissue Engineering Applications. <i>Advanced Fiber Materials</i> , 2019, 1, 32-45.	16.6	83
100	Hydrothermal Synthesis and Functionalization of Iron Oxide Nanoparticles for MR Imaging Applications. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 1223-1237.	2.5	81
101	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> , 2016, 4, 4216-4226.	5.9	81
102	Multifunctional Dendrimer-Entrapped Gold Nanoparticles Conjugated with Doxorubicin for pH-Responsive Drug Delivery and Targeted Computed Tomography Imaging. <i>Langmuir</i> , 2018, 34, 12428-12435.	3.7	81
103	Dendrimer-Assisted Formation of Fluorescent Nanogels for Drug Delivery and Intracellular Imaging. <i>Biomacromolecules</i> , 2014, 15, 492-499.	5.6	79
104	Formation of Cobalt Oxide Nanotubes: Effect of Intermolecular Hydrogen Bonding between Co(III) Complex Precursors Incorporated onto Colloidal Templates. <i>Nano Letters</i> , 2002, 2, 289-293.	9.5	78
105	Multifunctional PEI-entrapped gold nanoparticles enable efficient delivery of therapeutic siRNA into glioblastoma cells. <i>Biomaterials Science</i> , 2017, 5, 258-266.	5.5	78
106	Light-Addressable Nanoclusters of Ultrasmall Iron Oxide Nanoparticles for Enhanced and Dynamic Magnetic Resonance Imaging of Arthritis. <i>Advanced Science</i> , 2019, 6, 1901800.	12.4	78
107	Comprehensive characterization of surface-functionalized poly(amidoamine) dendrimers with acetamide, hydroxyl, and carboxyl groups. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 272, 139-150.	4.8	77
108	Controllable synthesis, formation mechanism and upconversion luminescence of β -NaYF ₄ :Yb ³⁺ /Er ³⁺ microcrystals by hydrothermal process. <i>CrystEngComm</i> , 2013, 15, 8366.	2.4	77

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109	Targeted Combination of Antioxidative and Anti-inflammatory Therapy of Rheumatoid Arthritis using Multifunctional Dendrimer-Entrapped Gold Nanoparticles as a Platform. <i>Small</i> , 2020, 16, e2005661.	11.2	77
110	Microbial Mechanisms Mediating Increased Soil C Storage under Elevated Atmospheric N Deposition. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1191-1199.	3.2	76
111	Synthesis of PEGylated low generation dendrimer-entrapped gold nanoparticles for CT imaging applications. <i>Nanoscale</i> , 2014, 6, 4521-4526.	5.8	76
112	Charge-reversible and biodegradable chitosan-based microgels for lysozyme-triggered release of vancomycin. <i>Journal of Advanced Research</i> , 2023, 43, 87-96.	9.9	76
113	Microscopic imaging in endoscopy: endomicroscopy and endocytoscopy. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2014, 11, 11-18.	18.1	75
114	Targeted Tumor Hypoxia Dual-Mode CT/MR Imaging and Enhanced Radiation Therapy Using Dendrimer-Based Nanosensitizers. <i>Advanced Functional Materials</i> , 2020, 30, 1909285.	16.5	75
115	High Activity Enzyme Microcrystal Multilayer Films. <i>Journal of the American Chemical Society</i> , 2001, 123, 8121-8122.	14.6	74
116	Enhanced X-ray attenuation property of dendrimer-entrapped gold nanoparticles complexed with diatrizoic acid. <i>Journal of Materials Chemistry</i> , 2011, 21, 5120.	6.7	74
117	pH sensitive Laponite/alginate hybrid hydrogels: swelling behaviour and release mechanism. <i>Soft Matter</i> , 2011, 7, 6231.	2.8	74
118	Hyaluronic acid-functionalized electrospun PLGA nanofibers embedded in a microfluidic chip for cancer cell capture and culture. <i>Biomaterials Science</i> , 2017, 5, 752-761.	5.5	74
119	Zwitterion-coated ultrasmall iron oxide nanoparticles for enhanced T ₁ -weighted magnetic resonance imaging applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7267-7273.	5.9	74
120	Quantitative immunohistochemical and biochemical correlates of connexin43 localization in rat brain. <i>Glia</i> , 1992, 5, 1-9.	5.3	73
121	Polyelectrolyte Multilayer-Assisted Immobilization of Zero-Valent Iron Nanoparticles onto Polymer Nanofibers for Potential Environmental Applications. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2848-2855.	8.3	73
122	Zwitterion-functionalized dendrimer-entrapped gold nanoparticles for serum-enhanced gene delivery to inhibit cancer cell metastasis. <i>Acta Biomaterialia</i> , 2019, 99, 320-329.	8.8	73
123	The PLA/ZIF-8 Nanocomposite Membranes: The Diameter and Surface Roughness Adjustment by ZIF-8 Nanoparticles, High Wettability, Improved Mechanical Property, and Efficient Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600725.	4.1	71
124	Enhanced Delivery of Therapeutic siRNA into Glioblastoma Cells Using Dendrimer-Entrapped Gold Nanoparticles Conjugated with β -Cyclodextrin. <i>Nanomaterials</i> , 2018, 8, 131.	4.2	71
125	Fabrication and morphology control of electrospun poly(β -glutamic acid) nanofibers for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 89, 254-264.	5.1	70
126	Cyclotriphosphazene core-based dendrimers for biomedical applications: an update on recent advances. <i>Journal of Materials Chemistry B</i> , 2018, 6, 884-895.	5.9	70

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127	Polydopamine-coated gold core/hollow mesoporous silica shell particles as a nanoplatform for multimode imaging and photothermal therapy of tumors. <i>Chemical Engineering Journal</i> , 2019, 362, 842-850.	13.0	70
128	Fatty acid profile, and chemical composition of Longissimus muscle of bovine steers and bulls finished in pasture system. <i>Meat Science</i> , 2006, 74, 242-248.	5.7	69
129	HPLC Separation of Different Generations of Poly(amidoamine) Dendrimers Modified with Various Terminal Groups. <i>Analytical Chemistry</i> , 2005, 77, 2063-2070.	6.8	68
130	The Role of Ganglioside GM1 in Cellular Internalization Mechanisms of Poly(amidoamine) Dendrimers. <i>Bioconjugate Chemistry</i> , 2009, 20, 1503-1513.	3.8	68
131	Aminopropyltriethoxysilane-mediated surface functionalization of hydroxyapatite nanoparticles: synthesis, characterization, and in vitro toxicity assay. <i>International Journal of Nanomedicine</i> , 2011, 6, 3449.	6.5	68
132	Synthesis of polyethyleneimine-stabilized gold nanoparticles for colorimetric sensing of heparin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 419, 80-86.	4.8	68
133	Dendrimer-stabilized bismuth sulfide nanoparticles: synthesis, characterization, and potential computed tomography imaging applications. <i>Analyst</i> , 2013, 138, 3172.	3.5	68
134	Green microwave switching from oxygen rich yellow anatase to oxygen vacancy rich black anatase TiO_2 solar photocatalyst using Mn as anatase phase purifier™. <i>Nanoscale</i> , 2015, 7, 19184-19192.	5.8	68
135	Polyaniline-loaded β -polyglutamic acid nanogels as a platform for photoacoustic imaging-guided tumor photothermal therapy. <i>Nanoscale</i> , 2017, 9, 12746-12754.	5.8	68
136	Kilowatt-average-power single-mode laser light transmission over kilometre-scale hollow-core fibre. <i>Nature Photonics</i> , 2022, 16, 448-453.	23.1	68
137	Electrostatic Interactions between Polyelectrolytes and a Titania Precursor: A Thin Film and Solution Studies. <i>Langmuir</i> , 2002, 18, 904-910.	3.7	66
138	PVA and BSA stabilized silver nanoparticles based surface-enhanced plasmon resonance probes for protein detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 85, 138-144.	5.1	65
139	Epigenetic regulation of drug metabolism and transport. <i>Acta Pharmaceutica Sinica B</i> , 2015, 5, 106-112.	12.4	65
140	Targeting the Mycobacterium ulcerans cytochrome bc1:aa3 for the treatment of Buruli ulcer. <i>Nature Communications</i> , 2018, 9, 5370.	13.2	65
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