Kwangmeyung Kim

List of Publications by Year
in descending order

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326	26,543	4370 86	8370 147
papers	citations	h-index	g-index

338	338	338	26962
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multifunctional nanoparticles for multimodal imaging and theragnosis. Chemical Society Reviews, 2012, 41, 2656-2672.	18.7	1,258
2	Targeted delivery of low molecular drugs using chitosan and its derivatives. Advanced Drug Delivery Reviews, 2010, 62, 28-41.	6.6	725
3	Cellular uptake mechanism and intracellular fate of hydrophobically modified glycol chitosan nanoparticles. Journal of Controlled Release, 2009, 135, 259-267.	4.8	509
4	Self-assembled hyaluronic acid nanoparticles for active tumor targeting. Biomaterials, 2010, 31, 106-114.	5.7	500
5	Polymeric nanomedicine for cancer therapy. Progress in Polymer Science, 2008, 33, 113-137.	11.8	453
6	Hydrophobically modified glycol chitosan nanoparticles-encapsulated camptothecin enhance the drug stability and tumor targeting in cancer therapy. Journal of Controlled Release, 2008, 127, 208-218.	4.8	429
7	New Generation of Multifunctional Nanoparticles for Cancer Imaging and Therapy. Advanced Functional Materials, 2009, 19, 1553-1566.	7.8	405
8	In Vivo Targeted Delivery of Nanoparticles for Theranosis. Accounts of Chemical Research, 2011, 44, 1018-1028.	7.6	398
9	Smart Nanocarrier Based on PEGylated Hyaluronic Acid for Cancer Therapy. ACS Nano, 2011, 5, 8591-8599.	7.3	360
10	Tumor-homing multifunctional nanoparticles for cancer theragnosis: Simultaneous diagnosis, drug delivery, and therapeutic monitoring. Journal of Controlled Release, 2010, 146, 219-227.	4.8	336
11	Antitumor efficacy of cisplatin-loaded glycol chitosan nanoparticles in tumor-bearing mice. Journal of Controlled Release, 2008, 127, 41-49.	4.8	333
12	Long-Circulating Au-TiO₂ Nanocomposite as a Sonosensitizer for ROS-Mediated Eradication of Cancer. Nano Letters, 2016, 16, 6257-6264.	4.5	328
13	A Nearâ€Infraredâ€Fluorescenceâ€Quenched Goldâ€Nanoparticle Imaging Probe for Inâ€…Vivo Drug Screening and Protease Activity Determination. Angewandte Chemie - International Edition, 2008, 47, 2804-2807.	7.2	310
14	Hydrophobically modified glycol chitosan nanoparticles as carriers for paclitaxel. Journal of Controlled Release, 2006, 111, 228-234.	4.8	306
15	PEGylation of hyaluronic acid nanoparticles improves tumor targetability in vivo. Biomaterials, 2011, 32, 1880-1889.	5.7	298
16	Hypoxia-responsive polymeric nanoparticles for tumor-targeted drug delivery. Biomaterials, 2014, 35, 1735-1743.	5.7	296
17	Self-assembled nanoparticles based on hyaluronic acid-ceramide (HA-CE) andÂPluronicÂ® for tumor-targeted delivery of docetaxel. Biomaterials, 2011, 32, 7181-7190.	5.7	283
18	Tumoral acidic extracellular pH targeting of pH-responsive MPEG-poly(Î²-amino ester) block copolymer micelles for cancer therapy. Journal of Controlled Release, 2007, 123, 109-115.	4.8	281

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19	Tumor-targeting hyaluronic acid nanoparticles for photodynamic imaging and therapy. Biomaterials, 2012, 33, 3980-3989.	5.7	268
20	Tumoral acidic pH-responsive MPEG-poly(Î²-amino ester) polymeric micelles for cancer targeting therapy. Journal of Controlled Release, 2010, 144, 259-266.	4.8	263
21	ROS-generating TiO2 nanoparticles for non-invasive sonodynamic therapy of cancer. Scientific Reports, 2016, 6, 23200.	1.6	251
22	Effect of polymer molecular weight on the tumor targeting characteristics of self-assembled glycol chitosan nanoparticles. Journal of Controlled Release, 2007, 122, 305-314.	4.8	240
23	Self-assembled hyaluronic acid nanoparticles as a potential drug carrier for cancer therapy: synthesis, characterization, and in vivo biodistribution. Journal of Materials Chemistry, 2009, 19, 4102.	6.7	240
24	Cell-Permeable and Biocompatible Polymeric Nanoparticles for Apoptosis Imaging. Journal of the American Chemical Society, 2006, 128, 3490-3491.	6.6	237
25	Polyethylene glycol-conjugated hyaluronic acid-ceramide self-assembled nanoparticles for targeted delivery of doxorubicin. Biomaterials, 2012, 33, 1190-1200.	5.7	237
26	Bioorthogonal Copperâ€Free Click Chemistry Inâ€...Vivo for Tumorâ€Targeted Delivery of Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 11836-11840.	7.2	235
27	pH-Controlled Gas-Generating Mineralized Nanoparticles: A Theranostic Agent for Ultrasound Imaging and Therapy of Cancers. ACS Nano, 2015, 9, 134-145.	7.3	231
28	Tumor-Targeting Peptide Conjugated pH-Responsive Micelles as a Potential Drug Carrier for Cancer Therapy. Bioconjugate Chemistry, 2010, 21, 208-213.	1.8	214
29	Self-assembled glycol chitosan nanoparticles for the sustained and prolonged delivery of antiangiogenic small peptide drugs in cancer therapy. Biomaterials, 2008, 29, 1920-1930.	5.7	211
30	Comparative study of photosensitizer loaded and conjugated glycol chitosan nanoparticles for cancer therapy. Journal of Controlled Release, 2011, 152, 21-29.	4.8	206
31	Tumor-targeting multi-functional nanoparticles for theragnosis: New paradigm for cancer therapy. Advanced Drug Delivery Reviews, 2012, 64, 1447-1458.	6.6	197
32	Hyaluronic acid derivative-coated nanohybrid liposomes for cancer imaging and drug delivery. Journal of Controlled Release, 2014, 174, 98-108.	4.8	190
33	Tumor accumulation and antitumor efficacy of docetaxel-loaded core-shell-corona micelles with shell-specific redox-responsive cross-links. Biomaterials, 2012, 33, 1489-1499.	5.7	181
34	Polymers for bioimaging. Progress in Polymer Science, 2007, 32, 1031-1053.	11.8	180
35	Photosensitizer-Conjugated Human Serum Albumin Nanoparticles for Effective Photodynamic Therapy. Theranostics, 2011, 1, 230-239.	4.6	174
36	In vivo tumor diagnosis and photodynamic therapy via tumoral pH-responsive polymeric micelles. Chemical Communications, 2010, 46, 5668.	2.2	173

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37	Stability and cellular uptake of polymerized siRNA (poly-siRNA)/polyethylenimine (PEI) complexes for efficient gene silencing. Journal of Controlled Release, 2010, 141, 339-346.	4.8	170
38	Physicochemical Characterizations of Self-Assembled Nanoparticles of Glycol Chitosanâ^'Deoxycholic Acid Conjugates. Biomacromolecules, 2005, 6, 1154-1158.	2.6	169
39	Chemical Tumor-Targeting of Nanoparticles Based on Metabolic Glycoengineering and Click Chemistry. ACS Nano, 2014, 8, 2048-2063.	7.3	167
40	Tumor specificity and therapeutic efficacy of photosensitizer-encapsulated glycol chitosan-based nanoparticles in tumor-bearing mice. Biomaterials, 2009, 30, 2929-2939.	5.7	163
41	The movement of self-assembled amphiphilic polymeric nanoparticles in the vitreous and retina after intravitreal injection. Biomaterials, 2012, 33, 3485-3493.	5.7	163
42	The effect of surface functionalization of PLGA nanoparticles by heparin- or chitosan-conjugated Pluronic on tumor targeting. Journal of Controlled Release, 2010, 143, 374-382.	4.8	162
43	Tumor-homing photosensitizer-conjugated glycol chitosan nanoparticles for synchronous photodynamic imaging and therapy based on cellular on/off system. Biomaterials, 2011, 32, 4021-4029.	5.7	155
44	Polymeric Nanoparticle-Based Activatable Near-Infrared Nanosensor for Protease Determination In Vivo. Nano Letters, 2009, 9, 4412-4416.	4.5	149
45	Hyaluronic Acidâ€“Gold Nanoparticle/Interferon Î± Complex for Targeted Treatment of Hepatitis C Virus Infection. ACS Nano, 2012, 6, 9522-9531.	7.3	149
46	Tumorâ€Homing Polyâ€siRNA/Glycol Chitosan Selfâ€Crossâ€Linked Nanoparticles for Systemic siRNA Delivery in Cancer Treatment. Angewandte Chemie - International Edition, 2012, 51, 7203-7207.	7.2	149
47	Heparinâ€Coated Gold Nanoparticles for Liverâ€Specific CT Imaging. Chemistry - A European Journal, 2009, 15, 13341-13347.	1.7	146
48	Tumor-homing glycol chitosan/polyethylenimine nanoparticles for the systemic delivery of siRNA in tumor-bearing mice. Journal of Controlled Release, 2010, 144, 134-143.	4.8	145
49	Activatable imaging probes with amplified fluorescent signals. Chemical Communications, 2008, , 4250.	2.2	139
50	Tumor Targeting Chitosan Nanoparticles for Dual-Modality Optical/MR Cancer Imaging. Bioconjugate Chemistry, 2010, 21, 578-582.	1.8	139
51	Theranostic nanoparticles based on PEGylated hyaluronic acid for the diagnosis, therapy and monitoring of colon cancer. Biomaterials, 2012, 33, 6186-6193.	5.7	139
52	Preparation and Characterization of Self-Assembled Nanoparticles of Heparin-Deoxycholic Acid Conjugates. Langmuir, 2004, 20, 11726-11731.	1.6	137
53	Biodegradability and biocompatibility of a pH- and thermo-sensitive hydrogel formed from a sulfonamide-modified poly(Îµ-caprolactone-co-lactide)â€“poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 97 Td (glycol)â€	5.7	
54	Real-time and non-invasive optical imaging of tumor-targeting glycol chitosan nanoparticles in various tumor models. Biomaterials, 2011, 32, 5252-5261.	5.7	133

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55	Bioreducible Block Copolymers Based on Poly(Ethylene Glycol) and Poly(Î³-Benzyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 1924-1931.	1.8	132
56	Nanoprobes for biomedical imaging in living systems. Nano Today, 2011, 6, 204-220.	6.2	129
57	Dextran sulfate nanoparticles as a theranostic nanomedicine for rheumatoid arthritis. Biomaterials, 2017, 131, 15-26.	5.7	128
58	pH- and temperature-sensitive, injectable, biodegradable block copolymer hydrogels as carriers for paclitaxel. International Journal of Pharmaceutics, 2007, 331, 11-18.	2.6	127
59	TNF-Î± Gene Silencing Using Polymerized siRNA/Thiolated Glycol Chitosan Nanoparticles for Rheumatoid Arthritis. Molecular Therapy, 2014, 22, 397-408.	3.7	125
60	Injectable In Situâ€“Forming pH/Thermo-Sensitive Hydrogel for Bone Tissue Engineering. Tissue Engineering - Part A, 2009, 15, 923-933.	1.6	124
61	Chemiluminescenceâ€Generating Nanoreactor Formulation for Nearâ€Infrared Imaging of Hydrogen Peroxide and Glucose Level in vivo. Advanced Functional Materials, 2010, 20, 2644-2648.	7.8	124
62	Glycol chitosan nanoparticles as specialized cancer therapeutic vehicles: Sequential delivery of doxorubicin and Bcl-2 siRNA. Scientific Reports, 2014, 4, 6878.	1.6	118
63	Cancer-targeted MDR-1 siRNA delivery using self-cross-linked glycol chitosan nanoparticles to overcome drug resistance. Journal of Controlled Release, 2015, 198, 1-9.	4.8	117
64	Engineering nanoparticle strategies for effective cancer immunotherapy. Biomaterials, 2018, 178, 597-607.	5.7	117
65	Tumorâ€Targeting Gold Particles for Dual Computed Tomography/Optical Cancer Imaging. Angewandte Chemie - International Edition, 2011, 50, 9348-9351.	7.2	116
66	Hyaluronic acid nanoparticles for active targeting atherosclerosis. Biomaterials, 2015, 53, 341-348.	5.7	116
67	Cancer cell-specific photoactivity of pheophorbide aâ€“glycol chitosan nanoparticles for photodynamic therapy in tumor-bearing mice. Biomaterials, 2013, 34, 6454-6463.	5.7	114
68	Carrier-free nanoparticles of cathepsin B-cleavable peptide-conjugated doxorubicin prodrug for cancer targeting therapy. Journal of Controlled Release, 2019, 294, 376-389.	4.8	113
69	Chemical and structural modifications of RNAi therapeutics. Advanced Drug Delivery Reviews, 2016, 104, 16-28.	6.6	110
70	Biocompatible Glycol Chitosan-Coated Gold Nanoparticles for Tumor-Targeting CT Imaging. Pharmaceutical Research, 2014, 31, 1418-1425.	1.7	108
71	The tumor accumulation and therapeutic efficacy of doxorubicin carried in calcium phosphate-reinforced polymer nanoparticles. Biomaterials, 2012, 33, 5788-5797.	5.7	106
72	Hybrid Ferritin Nanoparticles as Activatable Probes for Tumor Imaging. Angewandte Chemie - International Edition, 2011, 50, 1569-1572.	7.2	105

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73	Extracellular matrix remodeling in vivo for enhancing tumor-targeting efficiency of nanoparticle drug carriers using the pulsed high intensity focused ultrasound. Journal of Controlled Release, 2017, 263, 68-78.	4.8	104
74	Direct Imaging of Cerebral Thromboemboli Using Computed Tomography and Fibrin-targeted Gold Nanoparticles. Theranostics, 2015, 5, 1098-1114.	4.6	101
75	Recent advances and challenges of repurposing nanoparticle-based drug delivery systems to enhance cancer immunotherapy. Theranostics, 2019, 9, 7906-7923.	4.6	100
76	Manipulating the Power of an Additional Phase: A Flower-like Auâ^'Fe₃O₄ Optical Nanosensor for Imaging Protease Expressions In vivo. ACS Nano, 2011, 5, 3043-3051.	7.3	98
77	Pegylated poly-l-arginine derivatives of chitosan for effective delivery of siRNA. Journal of Controlled Release, 2010, 145, 159-164.	4.8	97
78	Photo-crosslinked hyaluronic acid nanoparticles with improved stability for inÂvivo tumor-targeted drug delivery. Biomaterials, 2013, 34, 5273-5280.	5.7	95
79	Robust PEGylated hyaluronic acid nanoparticles as the carrier of doxorubicin: Mineralization and its effect on tumor targetability in vivo. Journal of Controlled Release, 2013, 168, 105-114.	4.8	94
80	Visible-Light-Triggered Prodrug Nanoparticles Combine Chemotherapy and Photodynamic Therapy to Potentiate Checkpoint Blockade Cancer Immunotherapy. ACS Nano, 2021, 15, 12086-12098.	7.3	93
81	Matrix Metalloproteinase Sensitive Gold Nanorod for Simultaneous Bioimaging and Photothermal Therapy of Cancer. Bioconjugate Chemistry, 2010, 21, 2173-2177.	1.8	92
82	Trilysinoyl oleylamide-based cationic liposomes for systemic co-delivery of siRNA and an anticancer drug. Journal of Controlled Release, 2011, 155, 60-66.	4.8	91
83	Bioreducible Carboxymethyl Dextran Nanoparticles for Tumorâ€Targeted Drug Delivery. Advanced Healthcare Materials, 2014, 3, 1829-1838.	3.9	91
84	Effect of the stability and deformability of self-assembled glycol chitosan nanoparticles on tumor-targeting efficiency. Journal of Controlled Release, 2012, 163, 2-9.	4.8	89
85	Biocompatible gelatin nanoparticles for tumor-targeted delivery of polymerized siRNA in tumor-bearing mice. Journal of Controlled Release, 2013, 172, 358-366.	4.8	89
86	Hydrotropic hyaluronic acid conjugates: Synthesis, characterization, and implications as a carrier of paclitaxel. International Journal of Pharmaceutics, 2010, 394, 154-161.	2.6	88
87	Enhanced drug-loading and therapeutic efficacy of hydrotropic oligomer-conjugated glycol chitosan nanoparticles for tumor-targeted paclitaxel delivery. Journal of Controlled Release, 2013, 172, 823-831.	4.8	88
88	Notch1 targeting siRNA delivery nanoparticles for rheumatoid arthritis therapy. Journal of Controlled Release, 2015, 216, 140-148.	4.8	88
89	Hydrotropic oligomer-conjugated glycol chitosan as a carrier of paclitaxel: Synthesis, characterization, and in vivo biodistribution. Journal of Controlled Release, 2009, 140, 210-217.	4.8	87
90	Glycol Chitosan/Heparin Immobilized Iron Oxide Nanoparticles with a Tumor-Targeting Characteristic for Magnetic Resonance Imaging. Biomacromolecules, 2011, 12, 2335-2343.	2.6	84

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91	Cancer-activated doxorubicin prodrug nanoparticles induce preferential immune response with minimal doxorubicin-related toxicity. Biomaterials, 2021, 272, 120791.	5.7	83
92	Preparation of a Dipalmitoylphosphatidylcholine/Cholesterol Langmuirâ"Blodgett Monolayer That Suppresses Protein Adsorption. Langmuir, 2001, 17, 5066-5070.	1.6	82
93	Cathepsinâ€...Bâ€Specific Metabolic Precursor for Inâ€...Vivo Tumorâ€Specific Fluorescence Imaging. Angewandte Chemie - International Edition, 2016, 55, 14698-14703.	7.2	81
94	Heparin/Poly(l-lysine) Nanoparticle-Coated Polymeric Microspheres for Stem-Cell Therapy. Journal of the American Chemical Society, 2007, 129, 5788-5789.	6.6	80
95	Synthesis and Biological Properties of Insulinâ"Deoxycholic Acid Chemical Conjugates. Bioconjugate Chemistry, 2005, 16, 615-620.	1.8	79
96	Thrombin-activatable fluorescent peptide incorporated gold nanoparticles for dual optical/computed tomography thrombus imaging. Biomaterials, 2018, 150, 125-136.	5.7	79
97	Tumorâ€Targeting Glycol Chitosan Nanoparticles for Cancer Heterogeneity. Advanced Materials, 2020, 32, e2002197.	11.1	78
98	Dark Quenched Matrix Metalloproteinase Fluorogenic Probe for Imaging Osteoarthritis Development in Vivo. Bioconjugate Chemistry, 2008, 19, 1743-1747.	1.8	77
99	Inorganic Nanoparticles for Image-Guided Therapy. Bioconjugate Chemistry, 2017, 28, 124-134.	1.8	77
100	Real-Time Video Imaging of Protease Expression In Vivo. Theranostics, 2011, 1, 18-27.	4.6	76
101	Co-delivery of VEGF and Bcl-2 dual-targeted siRNA polymer using a single nanoparticle for synergistic anti-cancer effects in vivo. Journal of Controlled Release, 2015, 220, 631-641.	4.8	76
102	Theranostic gas-generating nanoparticles for targeted ultrasound imaging and treatment of neuroblastoma. Journal of Controlled Release, 2016, 223, 197-206.	4.8	76
103	Dextran sulfate-coated superparamagnetic iron oxide nanoparticles as a contrast agent for atherosclerosis imaging. Carbohydrate Polymers, 2014, 101, 1225-1233.	5.1	75
104	Molecular imaging based on metabolic glycoengineering and bioorthogonal click chemistry. Biomaterials, 2017, 132, 28-36.	5.7	75
105	Inhibition of Notch signalling ameliorates experimental inflammatory arthritis. Annals of the Rheumatic Diseases, 2015, 74, 267-274.	0.5	73
106	Theranostic designs of biomaterials for precision medicine in cancer therapy. Biomaterials, 2019, 213, 119207.	5.7	73
107	In-vivo tumor targeting of pluronic-based nano-carriers. Journal of Controlled Release, 2010, 147, 109-117.	4.8	72
108	Paclitaxel-loaded Pluronic nanoparticles formed by a temperature-induced phase transition for cancer therapy. Journal of Controlled Release, 2010, 148, 344-350.	4.8	70

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109	Optical Imaging of Cancer-Related Proteases Using Near-Infrared Fluorescence Matrix Metalloproteinase-Sensitive and Cathepsin B-Sensitive Probes. Theranostics, 2012, 2, 179-189.	4.6	69
110	Echogenic Glycol Chitosan Nanoparticles for Ultrasound-Triggered Cancer Theranostics. Theranostics, 2015, 5, 1402-1418.	4.6	68
111	Hyaluronic acid-ceramide-based optical/MR dual imaging nanoprobe for cancer diagnosis. Journal of Controlled Release, 2012, 162, 111-118.	4.8	67
112	Tumor-activated carrier-free prodrug nanoparticles for targeted cancer Immunotherapy: Preclinical evidence for safe and effective drug delivery. Advanced Drug Delivery Reviews, 2022, 183, 114177.	6.6	67
113	Improved Antitumor Activity and Tumor Targeting of NH2-Terminalâ€“Specific PEGylated Tumor Necrosis Factorâ€“Related Apoptosis-Inducing Ligand. Molecular Cancer Therapeutics, 2010, 9, 1719-1729.	1.9	65
114	Tumorâ€Targeting Multifunctional Nanoparticles for siRNA Delivery: Recent Advances in Cancer Therapy. Advanced Healthcare Materials, 2014, 3, 1182-1193.	3.9	65
115	Facile Method To Radiolabel Glycol Chitosan Nanoparticles with ⁶⁴Cu via Copper-Free Click Chemistry for MicroPET Imaging. Molecular Pharmaceutics, 2013, 10, 2190-2198.	2.3	64
116	Chemical gas-generating nanoparticles for tumor-targeted ultrasound imaging and ultrasound-triggered drug delivery. Biomaterials, 2016, 108, 57-70.	5.7	64
117	Bile acid transporter mediated endocytosis of oral bile acid conjugated nanocomplex. Biomaterials, 2017, 147, 145-154.	5.7	64
118	Caspase Sensitive Gold Nanoparticle for Apoptosis Imaging in Live Cells. Bioconjugate Chemistry, 2010, 21, 1939-1942.	1.8	62
119	InÂvivo stem cell tracking with imageable nanoparticles that bind bioorthogonal chemical receptors on the stem cell surface. Biomaterials, 2017, 139, 12-29.	5.7	62
120	Development of MRI/NIRF â€˜activatableâ€™ multimodal imaging probe based on iron oxide nanoparticles. Journal of Controlled Release, 2011, 155, 152-158.	4.8	60
121	Multiplex Imaging of an Intracellular Proteolytic Cascade by using a Broadâ€Spectrum Nanoquencher. Angewandte Chemie - International Edition, 2012, 51, 1625-1630.	7.2	60
122	Self-crosslinked human serum albumin nanocarriers for systemic delivery of polymerized siRNA to tumors. Biomaterials, 2013, 34, 9475-9485.	5.7	60
123	Bioreducible hyaluronic acid conjugates as siRNA carrier for tumor targeting. Journal of Controlled Release, 2013, 172, 653-661.	4.8	60
124	Nano-enabled delivery systems across the bloodâ€“brain barrier. Archives of Pharmacal Research, 2014, 37, 24-30.	2.7	60
125	Engineered Human Ferritin Nanoparticles for Direct Delivery of Tumor Antigens to Lymph Node and Cancer Immunotherapy. Scientific Reports, 2016, 6, 35182.	1.6	60
126	Effects of tumor microenvironments on targeted delivery of glycol chitosan nanoparticles. Journal of Controlled Release, 2017, 267, 223-231.	4.8	60

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127	Cancer-specific drug-drug nanoparticles of pro-apoptotic and cathepsin B-cleavable peptide-conjugated doxorubicin for drug-resistant cancer therapy. Biomaterials, 2020, 261, 120347.	5.7	60
128	Tumor-Targeting Transferrin Nanoparticles for Systemic Polymerized siRNA Delivery in Tumor-Bearing Mice. Bioconjugate Chemistry, 2013, 24, 1850-1860.	1.8	59
129	Tumor-Homing Glycol Chitosan-Based Optical/PET Dual Imaging Nanoprobe for Cancer Diagnosis. Bioconjugate Chemistry, 2014, 25, 601-610.	1.8	59
130	Proteinticle/Gold Core/Shell Nanoparticles for Targeted Cancer Therapy without Nanotoxicity. Advanced Materials, 2014, 26, 6436-6441.	11.1	59
131	Systemic PEGylated TRAIL treatment ameliorates liver cirrhosis in rats by eliminating activated hepatic stellate cells. Hepatology, 2016, 64, 209-223.	3.6	59
132	Structural modification of siRNA for efficient gene silencing. Biotechnology Advances, 2013, 31, 491-503.	6.0	58
133	Comparison of in vivo targeting ability between cRGD and collagen-targeting peptide conjugated nano-carriers for atherosclerosis. Journal of Controlled Release, 2018, 269, 337-346.	4.8	58
134	Copperâ€Free Click Chemistry: Applications in Drug Delivery, Cell Tracking, and Tissue Engineering. Advanced Materials, 2022, 34, e2107192.	11.1	58
135	Cell Labeling and Tracking Method without Distorted Signals by Phagocytosis of Macrophages. Theranostics, 2014, 4, 420-431.	4.6	57
136	In situ cross-linkable hyaluronic acid hydrogels using copper free click chemistry for cartilage tissue engineering. Polymer Chemistry, 2018, 9, 20-27.	1.9	57
137	Ionic complex systems based on hyaluronic acid and PEGylated TNF-related apoptosis-inducing ligand for treatment of rheumatoid arthritis. Biomaterials, 2010, 31, 9057-9064.	5.7	55
138	Engineered Proteinticles for Targeted Delivery of siRNA to Cancer Cells. Advanced Functional Materials, 2015, 25, 1279-1286.	7.8	55
139	Induced Phenotype Targeted Therapy: Radiation-Induced Apoptosis-Targeted Chemotherapy. Journal of the National Cancer Institute, 2015, 107, .	3.0	55
140	In Situ One-Step Fluorescence Labeling Strategy of Exosomes via Bioorthogonal Click Chemistry for Real-Time Exosome Tracking In Vitro and In Vivo. Bioconjugate Chemistry, 2020, 31, 1562-1574.	1.8	55
141	Protein-Phosphorylation-Responsive Polymeric Nanoparticles for Imaging Protein Kinase Activities in Single Living Cells. Angewandte Chemie - International Edition, 2007, 46, 5779-5782.	7.2	54
142	Differential response to doxorubicin in breast cancer subtypes simulated by a microfluidic tumor model. Journal of Controlled Release, 2017, 266, 129-139.	4.8	54
143	pHâ€Sensitive Nanoflash for Tumoral Acidic pH Imaging in Live Animals. Small, 2010, 6, 2539-2544.	5.2	53
144	Protease Imaging of Human Atheromata Captures Molecular Information of Atherosclerosis, Complementing Anatomic Imaging. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 449-456.	1.1	53

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145	Magnetic, optical gold nanorods for recyclable photothermal ablation of bacteria. Journal of Materials Chemistry B, 2014, 2, 981.	2.9	53
146	Advances in targeting strategies for nanoparticles in cancer imaging and therapy. Nanoscale, 2014, 6, 13383-13390.	2.8	53
147	Bioorthogonal Copper Free Click Chemistry for Labeling and Tracking of Chondrocytes In Vivo. Bioconjugate Chemistry, 2016, 27, 927-936.	1.8	53
148	Dual-Modal Imaging-Guided Precise Tracking of Bioorthogonally Labeled Mesenchymal Stem Cells in Mouse Brain Stroke. ACS Nano, 2019, 13, 10991-11007.	7.3	53
149	Anti-PD-L1 peptide-conjugated prodrug nanoparticles for targeted cancer immunotherapy combining PD-L1 blockade with immunogenic cell death. Theranostics, 2022, 12, 1999-2014.	4.6	53
150	Real Time, High Resolution Video Imaging of Apoptosis in Single Cells with a Polymeric Nanoprobe. Bioconjugate Chemistry, 2011, 22, 125-131.	1.8	51
151	The multilayer nanoparticles formed by layer by layer approach for cancer-targeting therapy. Journal of Controlled Release, 2013, 165, 9-15.	4.8	51
152	Nano-sized metabolic precursors for heterogeneous tumor-targeting strategy using bioorthogonal click chemistry inÂvivo. Biomaterials, 2017, 148, 1-15.	5.7	51
153	Superparamagnetic Gold Nanoparticles Synthesized on Protein Particle Scaffolds for Cancer Theragnosis. Advanced Materials, 2017, 29, 1701146.	11.1	51
154	Early diagnosis of arthritis in mice with collagen-induced arthritis, using a fluorogenic matrix metalloproteinase 3-specific polymeric probe. Arthritis and Rheumatism, 2011, 63, 3824-3832.	6.7	50
155	Oligomeric bile acid-mediated oral delivery of low molecular weight heparin. Journal of Controlled Release, 2014, 175, 17-24.	4.8	50
156	Anionic amino acid-derived cationic lipid for siRNA delivery. Journal of Controlled Release, 2009, 140, 268-276.	4.8	49
157	In Vivo Optical Imaging of Membrane-Type Matrix Metalloproteinase (MT-MMP) Activity. Molecular Pharmaceutics, 2011, 8, 2331-2338.	2.3	49
158	In vivo NIRF and MR dual-modality imaging using glycol chitosan nanoparticles. Journal of Controlled Release, 2012, 163, 249-255.	4.8	49
159	Non-invasive optical imaging of cathepsin B with activatable fluorogenic nanoprobes in various metastatic models. Biomaterials, 2014, 35, 2302-2311.	5.7	49
160	Polysaccharide-based Nanoparticles for Gene Delivery. Topics in Current Chemistry, 2017, 375, 31.	3.0	49
161	Rolling circle transcription-based polymeric siRNA nanoparticles for tumor-targeted delivery. Journal of Controlled Release, 2017, 263, 29-38.	4.8	49
162	Effect of high intensity focused ultrasound (HIFU) in conjunction with a nanomedicines-microbubble complex for enhanced drug delivery. Journal of Controlled Release, 2017, 266, 75-86.	4.8	49

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163	Recent progress in nanotechnology for stem cell differentiation, labeling, tracking and therapy. Journal of Materials Chemistry B, 2017, 5, 9429-9451.	2.9	49
164	Systemic Delivery of siRNA by Chimeric Capsid Protein: Tumor Targeting and RNAi Activity in Vivo. Molecular Pharmaceutics, 2013, 10, 18-25.	2.3	48
165	Hydrophobically modified polysaccharide-based on polysialic acid nanoparticles as carriers for anticancer drugs. International Journal of Pharmaceutics, 2017, 520, 111-118.	2.6	48
166	Visible light-induced apoptosis activatable nanoparticles of photosensitizer-DEVD-anticancer drug conjugate for targeted cancer therapy. Biomaterials, 2019, 224, 119494.	5.7	48
167	Preparation and characterization of self-assembled nanoparticles based on glycol chitosan bearing adriamycin. Colloid and Polymer Science, 2006, 284, 763-770.	1.0	47
168	Tumor-targeting glycol chitosan nanoparticles as a platform delivery carrier in cancer diagnosis and therapy. Nanomedicine, 2014, 9, 1697-1713.	1.7	47
169	Dexamethasone-loaded Polymeric Nanoconstructs for Monitoring and Treating Inflammatory Bowel Disease. Theranostics, 2017, 7, 3653-3666.	4.6	47
170	Multicomponent, peptide-targeted glycol chitosan nanoparticles containing ferrimagnetic iron oxide nanocubes for bladder cancer multimodal imaging. International Journal of Nanomedicine, 2016, Volume 11, 4141-4155.	3.3	46
171	In vivo time-dependent gene expression of cationic lipid-based emulsion as a stable and biocompatible non-viral gene carrier. Journal of Controlled Release, 2008, 128, 89-97.	4.8	45
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