Hong Yeol Yoon

List of Publications by Year
in descending order

77 papers	5,932 citations	61945 43 h-index	71651 76 g-index
78 all docs	78 docs citations	78 times ranked	7550 citing authors

#	Article	IF	Citations
1	Self-assembled hyaluronic acid nanoparticles for active tumor targeting. Biomaterials, 2010, 31, 106-114.	5.7	500
2	Smart Nanocarrier Based on PEGylated Hyaluronic Acid for Cancer Therapy. ACS Nano, 2011, 5, 8591-8599.	7.3	360
3	PEGylation of hyaluronic acid nanoparticles improves tumor targetability in vivo. Biomaterials, 2011, 32, 1880-1889.	5.7	298
4	Hypoxia-responsive polymeric nanoparticles for tumor-targeted drug delivery. Biomaterials, 2014, 35, 1735-1743.	5.7	296
5	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
6	Tumor-targeting hyaluronic acid nanoparticles for photodynamic imaging and therapy. Biomaterials, 2012, 33, 3980-3989.	5.7	268
7	Polyethylene glycol-conjugated hyaluronic acid-ceramide self-assembled nanoparticles for targeted delivery of doxorubicin. Biomaterials, 2012, 33, 1190-1200.	5.7	237
8	Hyaluronic acid derivative-coated nanohybrid liposomes for cancer imaging and drug delivery. Journal of Controlled Release, 2014, 174, 98-108.	4.8	190
9	Theranostic nanoparticles based on PEGylated hyaluronic acid for the diagnosis, therapy and monitoring of colon cancer. Biomaterials, 2012, 33, 6186-6193.	5.7	139
10	Bioreducible Block Copolymers Based on Poly(Ethylene Glycol) and Poly(Î^{3}-Benzyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (<scp>l 1924-1931.	1.8	132
11	Glycol chitosan nanoparticles as specialized cancer therapeutic vehicles: Sequential delivery of doxorubicin and Bcl-2 siRNA. Scientific Reports, 2014, 4, 6878.	1.6	118
12	Engineering nanoparticle strategies for effective cancer immunotherapy. Biomaterials, 2018, 178, 597-607.	5.7	117
13	Hyaluronic acid nanoparticles for active targeting atherosclerosis. Biomaterials, 2015, 53, 341-348.	5.7	116
14	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
15	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
16	Recent advances and challenges of repurposing nanoparticle-based drug delivery systems to enhance cancer immunotherapy. Theranostics, 2019, 9, 7906-7923.	4.6	100
17	Photo-crosslinked hyaluronic acid nanoparticles with improved stability for inÂvivo tumor-targeted drug delivery. Biomaterials, 2013, 34, 5273-5280.	5.7	95
18	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

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19	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
20	Hydrotropic hyaluronic acid conjugates: Synthesis, characterization, and implications as a carrier of paclitaxel. International Journal of Pharmaceutics, 2010, 394, 154-161.	2.6	88
21	A Facile, One-Step Nanocarbon Functionalization for Biomedical Applications. Nano Letters, 2012, 12, 3613-3620.	4.5	82
22	Cathepsinâ€…Bâ€Specific Metabolic Precursor for Inâ€…Vivo Tumorâ€Specific Fluorescence Imaging. Angewandte Chemie - International Edition, 2016, 55, 14698-14703.	7.2	81
23	Recent developments in hyaluronic acid-based nanomedicine for targeted cancer treatment. Expert Opinion on Drug Delivery, 2016, 13, 239-252.	2.4	81
24	Thrombin-activatable fluorescent peptide incorporated gold nanoparticles for dual optical/computed tomography thrombus imaging. Biomaterials, 2018, 150, 125-136.	5.7	79
25	Tumorâ€Targeting Glycol Chitosan Nanoparticles for Cancer Heterogeneity. Advanced Materials, 2020, 32, e2002197.	11.1	78
26	Inorganic Nanoparticles for Image-Guided Therapy. Bioconjugate Chemistry, 2017, 28, 124-134.	1.8	77
27	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
28	Molecular imaging based on metabolic glycoengineering and bioorthogonal click chemistry. Biomaterials, 2017, 132, 28-36.	5.7	75
29	Theranostic designs of biomaterials for precision medicine in cancer therapy. Biomaterials, 2019, 213, 119207.	5.7	73
30	Development of Biocompatible HA Hydrogels Embedded with a New Synthetic Peptide Promoting Cellular Migration for Advanced Wound Care Management. Advanced Science, 2018, 5, 1800852.	5.6	69
31	Hyaluronic acid-ceramide-based optical/MR dual imaging nanoprobe for cancer diagnosis. Journal of Controlled Release, 2012, 162, 111-118.	4.8	67
32	Bioreducible hyaluronic acid conjugates as siRNA carrier for tumor targeting. Journal of Controlled Release, 2013, 172, 653-661.	4.8	60
33	Effects of tumor microenvironments on targeted delivery of glycol chitosan nanoparticles. Journal of Controlled Release, 2017, 267, 223-231.	4.8	60
34	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
35	Copperâ€Free Click Chemistry: Applications in Drug Delivery, Cell Tracking, and Tissue Engineering. Advanced Materials, 2022, 34, e2107192.	11.1	58
36	Self-assembled dextran sulphate nanoparticles for targeting rheumatoid arthritis. Chemical Communications, 2013, 49, 10349-10351.	2.2	57

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37	<i>In situ</i> cross-linkable hyaluronic acid hydrogels using copper free click chemistry for cartilage tissue engineering. Polymer Chemistry, 2018, 9, 20-27.	1.9	57
38	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
39	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
40	Nano-sized metabolic precursors for heterogeneous tumor-targeting strategy using bioorthogonal click chemistry inÂvivo. Biomaterials, 2017, 148, 1-15.	5.7	51
41	Hydrophobically modified polysaccharide-based on polysialic acid nanoparticles as carriers for anticancer drugs. International Journal of Pharmaceutics, 2017, 520, 111-118.	2.6	48
42	Visible light-induced apoptosis activatable nanoparticles of photosensitizer-DEVD-anticancer drug conjugate for targeted cancer therapy. Biomaterials, 2019, 224, 119494.	5.7	48
43	Dexamethasone-loaded Polymeric Nanoconstructs for Monitoring and Treating Inflammatory Bowel Disease. Theranostics, 2017, 7, 3653-3666.	4.6	47
44	Caspase-3/-7-Specific Metabolic Precursor for Bioorthogonal Tracking of Tumor Apoptosis. Scientific Reports, 2017, 7, 16635.	1.6	44
45	Artificial Chemical Reporter Targeting Strategy Using Bioorthogonal Click Reaction for Improving Active-Targeting Efficiency of Tumor. Molecular Pharmaceutics, 2017, 14, 1558-1570.	2.3	42
46	Liverâ€Specific and Echogenic Hyaluronic Acid Nanoparticles Facilitating Liver Cancer Discrimination. Advanced Functional Materials, 2013, 23, 5518-5529.	7.8	39
47	Recent Trends in <i>In Situ</i> Enzyme-Activatable Prodrugs for Targeted Cancer Therapy. Bioconjugate Chemistry, 2020, 31, 1012-1024.	1.8	39
48	Doxorubicin-Loaded PLGA Nanoparticles for Cancer Therapy: Molecular Weight Effect of PLGA in Doxorubicin Release for Controlling Immunogenic Cell Death. Pharmaceutics, 2020, 12, 1165.	2.0	37
49	Hydrotropic magnetic micelles for combined magnetic resonance imaging and cancer therapy. Journal of Controlled Release, 2012, 160, 692-698.	4.8	33
50	Light-triggered photodynamic nanomedicines for overcoming localized therapeutic efficacy in cancer treatment. Advanced Drug Delivery Reviews, 2022, 186, 114344.	6.6	33
51	Antitumor therapeutic application of self-assembled RNAi-AuNP nanoconstructs: Combination of VEGF-RNAi and photothermal ablation. Theranostics, 2017, 7, 9-22.	4.6	31
52	Heat-Generating Iron Oxide Multigranule Nanoclusters for Enhancing Hyperthermic Efficacy in Tumor Treatment. ACS Applied Materials & Interfaces, 2020, 12, 33483-33491.	4.0	30
53	Bioorthogonally surfaceâ€edited extracellular vesicles based on metabolic glycoengineering for CD44â€mediated targeting of inflammatory diseases. Journal of Extracellular Vesicles, 2021, 10, e12077.	5.5	30
54	A polymeric conjugate foreignizing tumor cells for targeted immunotherapy in vivo. Journal of Controlled Release, 2015, 199, 98-105.	4.8	29

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55	Amphiphilic hyaluronic acid-based nanoparticles for tumor-specific optical/MR dual imaging. Journal of Materials Chemistry, 2012, 22, 10444.	6.7	28
56	Rediscovery of nanoparticle-based therapeutics: boosting immunogenic cell death for potential application in cancer immunotherapy. Journal of Materials Chemistry B, 2021, 9, 3983-4001.	2.9	28
57	Iodinated Echogenic Glycol Chitosan Nanoparticles for X-ray CT/US Dual Imaging of Tumor. Nanotheranostics, 2018, 2, 117-127.	2.7	26
58	The effects of collagen-rich extracellular matrix on the intracellular delivery of glycol chitosan nanoparticles in human lung fibroblasts. International Journal of Nanomedicine, 2017, Volume 12, 6089-6105.	3.3	22
59	A Comparative Study on Albumin-Binding Molecules for Targeted Tumor Delivery through Covalent and Noncovalent Approach. Bioconjugate Chemistry, 2019, 30, 3107-3118.	1.8	20
60	Deep tissue penetration of nanoparticles using pulsed-high intensity focused ultrasound. Nano Convergence, 2017, 4, 30.	6.3	18
61	Gold-installed biostable nanocomplexes for tumor-targeted siRNA delivery in vivo. Chemical Communications, 2015, 51, 16656-16659.	2.2	15
62	Deep Tumor Penetration of Doxorubicin-Loaded Glycol Chitosan Nanoparticles Using High-Intensity Focused Ultrasound. Pharmaceutics, 2020, 12, 974.	2.0	15
63	In vivo tracking of bioorthogonally labeled T-cells for predicting therapeutic efficacy of adoptive T-cell therapy. Journal of Controlled Release, 2021, 329, 223-236.	4.8	15
64	Theragnostic Glycol Chitosan-Conjugated Gold Nanoparticles for Photoacoustic Imaging of Regional Lymph Nodes and Delivering Tumor Antigen to Lymph Nodes. Nanomaterials, 2021, 11, 1700.	1.9	15
65	Sustained and Long-Term Release of Doxorubicin from PLGA Nanoparticles for Eliciting Anti-Tumor Immune Responses. Pharmaceutics, 2022, 14, 474.	2.0	15
66	Tumor-Targeting Glycol Chitosan Nanoparticles for Image-Guided Surgery of Rabbit Orthotopic VX2 Lung Cancer. Pharmaceutics, 2020, 12, 621.	2.0	14
67	Cathepsinâ€…Bâ€Specific Metabolic Precursor for Inâ€…Vivo Tumorâ€Specific Fluorescence Imaging. Angewandte Chemie, 2016, 128, 14918-14923.	1.6	13
68	A versatile gold cross-linked nanoparticle based on triblock copolymer as the carrier of doxorubicin. RSC Advances, 2015, 5, 70352-70360.	1.7	11
69	Predicting in vivo therapeutic efficacy of bioorthogonally labeled endothelial progenitor cells in hind limb ischemia models via non-invasive fluorescence molecular tomography. Biomaterials, 2021, 266, 120472.	5.7	11
70	Gold-Nanorod-Based Scaffolds for Wound-Healing Applications. ACS Applied Nano Materials, 2022, 5, 8640-8648.	2.4	9
71	Nonimmunogenetic Viral Capsid Carrier with Cancer Targeting Activity. Advanced Science, 2018, 5, 1800494.	5.6	8
72	Intracellular Uptake Mechanism of Bioorthogonally Conjugated Nanoparticles on Metabolically Engineered Mesenchymal Stem Cells. Bioconjugate Chemistry, 2021, 32, 199-214.	1.8	8

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73	Pharmaceutical Aspects of Nanocarriers for Smart Anticancer Therapy. Pharmaceutics, 2021, 13, 1875.	2.0	8
74	Tumor-targeting glycol chitosan nanocarriers: overcoming the challenges posed by chemotherapeutics. Expert Opinion on Drug Delivery, 2019, 16, 835-846.	2.4	6
75	Cathepsin B Imaging to Predict Quality of Engineered Cartilage. Macromolecular Bioscience, 2015, 15, 1224-1232.	2.1	3
76	Heart Rate Variability as a Potential Indicator of Cancer Pain in a Mouse Model of Peritoneal Metastasis. Sensors, 2022, 22, 2152.	2.1	3
77	Enhancing Systemic Delivery of Enzymatically Generated RNAi Nanocomplexes for Cancer Therapy. Advanced Therapeutics, 2019, 2, 1900014.	1.6	1