

Quanyin Hu

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

11,640
citations

30047

54
h-index

56687

83
g-index

85
all docs

85
docs citations

85
times ranked

12757
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ sprayed bioresponsive immunotherapeutic gel for post-surgical cancer treatment. <i>Nature Nanotechnology</i> , 2019, 14, 89-97.	15.6	725
2	Self-Assembled DNA Nanoclews for the Efficient Delivery of CRISPR-Cas9 for Genome Editing. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12029-12033.	7.2	517
3	Anticancer Platelet-Mimicking Nanovehicles. <i>Advanced Materials</i> , 2015, 27, 7043-7050.	11.1	497
4	Recent advances of cocktail chemotherapy by combination drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2016, 98, 19-34.	6.6	496
5	Transformable liquid-metal nanomedicine. <i>Nature Communications</i> , 2015, 6, 10066.	5.8	466
6	Enzyme-responsive nanomaterials for controlled drug delivery. <i>Nanoscale</i> , 2014, 6, 12273-12286.	2.8	456
7	In situ formed reactive oxygen species-responsive scaffold with gemcitabine and checkpoint inhibitor for combination therapy. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	439
8	Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy. <i>Advanced Materials</i> , 2016, 28, 3313-3320.	11.1	421
9	In situ activation of platelets with checkpoint inhibitors for post-surgical cancer immunotherapy. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	390
10	A melanin-mediated cancer immunotherapy patch. <i>Science Immunology</i> , 2017, 2, .	5.6	300
11	Photothermal Therapy Promotes Tumor Infiltration and Antitumor Activity of CAR T Cells. <i>Advanced Materials</i> , 2019, 31, e1900192.	11.1	291
12	Synergistic Transcutaneous Immunotherapy Enhances Antitumor Immune Responses through Delivery of Checkpoint Inhibitors. <i>ACS Nano</i> , 2016, 10, 8956-8963.	7.3	275
13	Injectable Bioresponsive Gel Depot for Enhanced Immune Checkpoint Blockade. <i>Advanced Materials</i> , 2018, 30, e1801527.	11.1	233
14	Tailoring Biomaterials for Cancer Immunotherapy: Emerging Trends and Future Outlook. <i>Advanced Materials</i> , 2017, 29, 1606036.	11.1	220
15	Conjugation of haematopoietic stem cells and platelets decorated with anti-PD-1 antibodies augments anti-leukaemia efficacy. <i>Nature Biomedical Engineering</i> , 2018, 2, 831-840.	11.6	220
16	Photo-Cross-Linked Scaffold with Kartogenin-Encapsulated Nanoparticles for Cartilage Regeneration. <i>ACS Nano</i> , 2016, 10, 1292-1299.	7.3	215
17	PD-1 Blockade Cellular Vesicles for Cancer Immunotherapy. <i>Advanced Materials</i> , 2018, 30, e1707112.	11.1	196
18	A Therapeutic Microneedle Patch Made from Hair-Derived Keratin for Promoting Hair Regrowth. <i>ACS Nano</i> , 2019, 13, 4354-4360.	7.3	184

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19	Engineered Nanoplatelets for Enhanced Treatment of Multiple Myeloma and Thrombus. <i>Advanced Materials</i> , 2016, 28, 9573-9580.	11.1	182
20	Lipoprotein-Based Nanoparticles Rescue the Memory Loss of Mice with Alzheimer's Disease by Accelerating the Clearance of Amyloid-Beta. <i>ACS Nano</i> , 2014, 8, 2345-2359.	7.3	179
21	Enhanced Endosomal Escape by Light-Fueled Liquid-Metal Transformer. <i>Nano Letters</i> , 2017, 17, 2138-2145.	4.5	179
22	F3 peptide-functionalized PEG-PLA nanoparticles co-administrated with tLyp-1 peptide for anti-glioma drug delivery. <i>Biomaterials</i> , 2013, 34, 1135-1145.	5.7	174
23	Engineering PD-1-Presenting Platelets for Cancer Immunotherapy. <i>Nano Letters</i> , 2018, 18, 5716-5725.	4.5	172
24	Lactoferrin-modified PEG-co-PCL nanoparticles for enhanced brain delivery of ANAP peptide following intranasal administration. <i>Biomaterials</i> , 2013, 34, 3870-3881.	5.7	167
25	PEG-co-PCL nanoparticles modified with MMP-2/9 activatable low molecular weight protamine for enhanced targeted glioblastoma therapy. <i>Biomaterials</i> , 2013, 34, 196-208.	5.7	165
26	Inhibition of post-surgery tumour recurrence via a hydrogel releasing CAR-T cells and anti-PDL1-conjugated platelets. <i>Nature Biomedical Engineering</i> , 2021, 5, 1038-1047.	11.6	164
27	Glioma therapy using tumor homing and penetrating peptide-functionalized PEG-PLA nanoparticles loaded with paclitaxel. <i>Biomaterials</i> , 2013, 34, 5640-5650.	5.7	149
28	Tumor Microenvironment-Mediated Construction and Deconstruction of Extracellular Drug-Delivery Depots. <i>Nano Letters</i> , 2016, 16, 1118-1126.	4.5	148
29	A Dual-Bioresponsive Drug-Delivery Depot for Combination of Epigenetic Modulation and Immune Checkpoint Blockade. <i>Advanced Materials</i> , 2019, 31, e1806957.	11.1	145
30	Penetratin-functionalized PEG-PLA nanoparticles for brain drug delivery. <i>International Journal of Pharmaceutics</i> , 2012, 436, 840-850.	2.6	135
31	Sequentially Site-Specific Delivery of Thrombolytics and Neuroprotectant for Enhanced Treatment of Ischemic Stroke. <i>ACS Nano</i> , 2019, 13, 8577-8588.	7.3	135
32	Low molecular weight protamine-functionalized nanoparticles for drug delivery to the brain after intranasal administration. <i>Biomaterials</i> , 2011, 32, 9888-9898.	5.7	133
33	Platelet for drug delivery. <i>Current Opinion in Biotechnology</i> , 2019, 58, 81-91.	3.3	132
34	B6 Peptide-Modified PEG-PLA Nanoparticles for Enhanced Brain Delivery of Neuroprotective Peptide. <i>Bioconjugate Chemistry</i> , 2013, 24, 997-1007.	1.8	126
35	Leveraging Physiology for Precision Drug Delivery. <i>Physiological Reviews</i> , 2017, 97, 189-225.	13.1	125
36	Dual targeted nanocarrier for brain ischemic stroke treatment. <i>Journal of Controlled Release</i> , 2016, 233, 64-71.	4.8	124

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37	Anaerobeâ€Inspired Anticancer Nanovesicles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2588-2593.	7.2	124
38	The influence of the penetrating peptide iRGD on the effect of paclitaxel-loaded MT1-AF7p-conjugated nanoparticles on glioma cells. <i>Biomaterials</i> , 2013, 34, 5138-5148.	5.7	123
39	Leveraging Engineering of Cells for Drug Delivery. <i>Accounts of Chemical Research</i> , 2018, 51, 668-677.	7.6	106
40	Chemically and Biologically Engineered Bacteriaâ€Based Delivery Systems for Emerging Diagnosis and Advanced Therapy. <i>Advanced Materials</i> , 2021, 33, e2102580.	11.1	93
41	Shape-controlled synthesis of liquid metal nanodroplets for photothermal therapy. <i>Nano Research</i> , 2019, 12, 1313-1320.	5.8	83
42	PEG-PLA nanoparticles modified with APTEDB peptide for enhanced anti-angiogenic and anti-glioma therapy. <i>Biomaterials</i> , 2014, 35, 8215-8226.	5.7	82
43	iNGR-modified PEG-PLGA nanoparticles that recognize tumor vasculature and penetrate gliomas. <i>Biomaterials</i> , 2014, 35, 4319-4332.	5.7	78
44	CRISPR-Cas12a delivery by DNA-mediated bioresponsive editing for cholesterol regulation. <i>Science Advances</i> , 2020, 6, eaba2983.	4.7	77
45	Depletion of tumor associated macrophages enhances local and systemic platelet-mediated anti-PD-1 delivery for post-surgery tumor recurrence treatment. <i>Nature Communications</i> , 2022, 13, 1845.	5.8	77
46	Delivery Strategies for Immune Checkpoint Blockade. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800424.	3.9	76
47	Co-administration of Dual-Targeting Nanoparticles with Penetration Enhancement Peptide for Antiglioblastoma Therapy. <i>Molecular Pharmaceutics</i> , 2014, 11, 90-101.	2.3	72
48	CGKRK-modified nanoparticles for dual-targeting drug delivery to tumor cells and angiogenic blood vessels. <i>Biomaterials</i> , 2013, 34, 9496-9508.	5.7	68
49	Spatiotemporal drug delivery using laser-generated-focused ultrasound system. <i>Journal of Controlled Release</i> , 2015, 220, 592-599.	4.8	68
50	Recent advances in overcoming barriers to cellâ€based delivery systems for cancer immunotherapy. <i>Exploration</i> , 2022, 2, .	5.4	68
51	Preparation and characterization of paclitaxel-loaded DSPE-PEG-liquid crystalline nanoparticles (LCNPs) for improved bioavailability. <i>International Journal of Pharmaceutics</i> , 2012, 424, 58-66.	2.6	66
52	Vaccine delivery systems toward lymph nodes. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 113914.	6.6	62
53	Cellâ€Based Delivery Systems: Emerging Carriers for Immunotherapy. <i>Advanced Functional Materials</i> , 2021, 31, 2100088.	7.8	60
54	Advances in transformable drug delivery systems. <i>Biomaterials</i> , 2018, 178, 546-558.	5.7	57

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55	Scattered seeding of CAR T cells in solid tumors augments anticancer efficacy. <i>National Science Review</i> , 2022, 9, nwab172.	4.6	57
56	Relay Drug Delivery for Amplifying Targeting Signal and Enhancing Anticancer Efficacy. <i>Advanced Materials</i> , 2017, 29, 1605803.	11.1	56
57	ATP-Responsive and Near-Infrared-Emissive Nanocarriers for Anticancer Drug Delivery and Real-Time Imaging. <i>Theranostics</i> , 2016, 6, 1053-1064.	4.6	54
58	Adipocytes as Anticancer Drug Delivery Depot. <i>Matter</i> , 2019, 1, 1203-1214.	5.0	53
59	Lipid-based liquid crystalline nanoparticles as oral drug delivery vehicles for poorly water-soluble drugs: cellular interaction and in vivo absorption. <i>International Journal of Nanomedicine</i> , 2012, 7, 3703.	3.3	52
60	Biomaterials coating for on-demand bacteria delivery: Selective release, adhesion, and detachment. <i>Nano Today</i> , 2021, 41, 101291.	6.2	50
61	Proteolysis-targeting chimera (PROTAC) delivery system: advancing protein degraders towards clinical translation. <i>Chemical Society Reviews</i> , 2022, 51, 5330-5350.	18.7	50
62	Facilitated brain delivery of poly (ethylene glycol)â€“poly (lactic acid) nanoparticles by microbubble-enhanced unfocused ultrasound. <i>Biomaterials</i> , 2014, 35, 3384-3395.	5.7	49
63	Transformable DNA nanocarriers for plasma membrane targeted delivery of cytokine. <i>Biomaterials</i> , 2016, 96, 1-10.	5.7	46
64	Cellular internalization pathway and transcellular transport of pegylated polyester nanoparticles in Caco-2 cells. <i>International Journal of Pharmaceutics</i> , 2013, 445, 58-68.	2.6	45
65	Mechanisms of transcellular transport of wheat germ agglutinin-functionalized polymeric nanoparticles in Caco-2 cells. <i>Biomaterials</i> , 2012, 33, 6769-6782.	5.7	41
66	Tumor Microenvironment and Angiogenic Blood Vessels Dual-Targeting for Enhanced Anti-Glioma Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23568-23579.	4.0	37
67	Activatable Cell Penetrating Peptide-Conjugated Nanoparticles with Enhanced Permeability for Site-Specific Targeting Delivery of Anticancer Drug. <i>Bioconjugate Chemistry</i> , 2013, 24, 419-430.	1.8	34
68	Strategies of Combination Drug Delivery for Immune Checkpoint Blockades. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801099.	3.9	32
69	Engineering platelet-mimicking drug delivery vehicles. <i>Frontiers of Chemical Science and Engineering</i> , 2017, 11, 624-632.	2.3	29
70	Enhanced Antiglioblastoma Efficacy of Neovasculature and Glioma Cells Dual Targeted Nanoparticles. <i>Molecular Pharmaceutics</i> , 2016, 13, 3506-3517.	2.3	27
71	Cancer Immunotherapy: PDâ€“1 Blockade Cellular Vesicles for Cancer Immunotherapy (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	11.1	21
72	Anaerobeâ€“inspired Anticancer Nanovesicles. <i>Angewandte Chemie</i> , 2017, 129, 2632-2637.	1.6	20

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73	Photothermal Therapy: Photothermal Therapy Promotes Tumor Infiltration and Antitumor Activity of CAR T Cells (Adv. Mater. 23/2019). Advanced Materials, 2019, 31, 1970166.	11.1	18
74	Engineered platelets: Advocates for tumor immunotherapy. Nano Today, 2021, 40, 101281.	6.2	15
75	Emerging self-regulated micro/nano drug delivery devices: A step forward towards intelligent diagnosis and therapy. Nano Today, 2021, 38, 101127.	6.2	12
76	Harnessing DNA for Immunotherapy: Cancer, Infectious Diseases, and Beyond. Advanced Functional Materials, 2022, 32, .	7.8	10
77	Nanomedicine: Anticancer Plateletâ€Mimicking Nanovehicles (Adv. Mater. 44/2015). Advanced Materials, 2015, 27, 7014-7014.	11.1	8
78	Anticancer Therapy: Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy (Adv. Mater. 17/2016). Advanced Materials, 2016, 28, 3226-3226.	11.1	6
79	Recent advances in biomaterial-assisted cell therapy. Journal of Materials Chemistry B, 2022, 10, 7222-7238.	2.9	6
80	Innentitelbild: Anaerobeâ€Inspired Anticancer Nanovesicles (Angew. Chem. 10/2017). Angewandte Chemie, 2017, 129, 2558-2558.	1.6	3
81	Titelbild: Self-Assembled DNA Nanoclews for the Efficient Delivery of CRISPR-Cas9 for Genome Editing (Angew. Chem. 41/2015). Angewandte Chemie, 2015, 127, 12045-12045.	1.6	0