

Zhen Gu

List of Publications by Year in descending order

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Version: 2024-02-01

262
papers

30,623
citations

2538

96
h-index

4978

167
g-index

272
all docs

272
docs citations

272
times ranked

24398
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioresponsive materials. <i>Nature Reviews Materials</i> , 2017, 2, .	23.3	1,117
2	In situ sprayed bioresponsive immunotherapeutic gel for post-surgical cancer treatment. <i>Nature Nanotechnology</i> , 2019, 14, 89-97.	15.6	725
3	Microneedle-array patches loaded with hypoxia-sensitive vesicles provide fast glucose-responsive insulin delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8260-8265.	3.3	655
4	Enhanced Cancer Immunotherapy by Microneedle Patch-Assisted Delivery of Anti-PD1 Antibody. <i>Nano Letters</i> , 2016, 16, 2334-2340.	4.5	609
5	ATP-triggered anticancer drug delivery. <i>Nature Communications</i> , 2014, 5, 3364.	5.8	571
6	Enzyme-activatable polymer-drug conjugate augments tumour penetration and treatment efficacy. <i>Nature Nanotechnology</i> , 2019, 14, 799-809.	15.6	555
7	Enhanced Cisplatin Chemotherapy by Iron Oxide Nanocarrier-Mediated Generation of Highly Toxic Reactive Oxygen Species. <i>Nano Letters</i> , 2017, 17, 928-937.	4.5	548
8	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
9	Tailoring nanocarriers for intracellular protein delivery. <i>Chemical Society Reviews</i> , 2011, 40, 3638.	18.7	504
10	Anticancer Platelet-Mimicking Nanovehicles. <i>Advanced Materials</i> , 2015, 27, 7043-7050.	11.1	497
11	Recent advances of cocktail chemotherapy by combination drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2016, 98, 19-34.	6.6	496
12	Transformable liquid-metal nanomedicine. <i>Nature Communications</i> , 2015, 6, 10066.	5.8	466
13	Enzyme-responsive nanomaterials for controlled drug delivery. <i>Nanoscale</i> , 2014, 6, 12273-12286.	2.8	456
14	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
15	Light-Activated Hypoxia-Responsive Nanocarriers for Enhanced Anticancer Therapy. <i>Advanced Materials</i> , 2016, 28, 3313-3320.	11.1	421
16	Injectable Nano-Network for Glucose-Mediated Insulin Delivery. <i>ACS Nano</i> , 2013, 7, 4194-4201.	7.3	395
17	A novel intracellular protein delivery platform based on single-protein nanocapsules. <i>Nature Nanotechnology</i> , 2010, 5, 48-53.	15.6	394
18	In situ activation of platelets with checkpoint inhibitors for post-surgical cancer immunotherapy. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	390

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19	Stimuli-responsive nanomaterials for therapeutic protein delivery. <i>Journal of Controlled Release</i> , 2014, 194, 1-19.	4.8	361
20	Glucose-Responsive Microgels Integrated with Enzyme Nanocapsules for Closed-Loop Insulin Delivery. <i>ACS Nano</i> , 2013, 7, 6758-6766.	7.3	356
21	Glucose-responsive insulin patch for the regulation of blood glucose in mice and minipigs. <i>Nature Biomedical Engineering</i> , 2020, 4, 499-506.	11.6	353
22	Emerging micro- and nanotechnology based synthetic approaches for insulin delivery. <i>Chemical Society Reviews</i> , 2014, 43, 3595.	18.7	338
23	Advances in liquid metals for biomedical applications. <i>Chemical Society Reviews</i> , 2018, 47, 2518-2533.	18.7	332
24	Stimuli-Responsive Polymersomes for Biomedical Applications. <i>Biomacromolecules</i> , 2017, 18, 649-673.	2.6	316
25	Tumor microenvironment and intracellular signal-activated nanomaterials for anticancer drug delivery. <i>Materials Today</i> , 2016, 19, 274-283.	8.3	308
26	A melanin-mediated cancer immunotherapy patch. <i>Science Immunology</i> , 2017, 2, .	5.6	300
27	Cocoon-Like Self-Degradable DNA Nanoclew for Anticancer Drug Delivery. <i>Journal of the American Chemical Society</i> , 2014, 136, 14722-14725.	6.6	295
28	Photothermal Therapy Promotes Tumor Infiltration and Antitumor Activity of CAR T Cells. <i>Advanced Materials</i> , 2019, 31, e1900192.	11.1	291
29	Inflammation-Triggered Cancer Immunotherapy by Programmed Delivery of CpG and Anti-PD1 Antibody. <i>Advanced Materials</i> , 2016, 28, 8912-8920.	11.1	286
30	Accelerating the Translation of Nanomaterials in Biomedicine. <i>ACS Nano</i> , 2015, 9, 6644-6654.	7.3	279
31	Synergistic Transcutaneous Immunotherapy Enhances Antitumor Immune Responses through Delivery of Checkpoint Inhibitors. <i>ACS Nano</i> , 2016, 10, 8956-8963.	7.3	275
32	H ₂ O ₂ -Responsive Vesicles Integrated with Transcutaneous Patches for Glucose-Mediated Insulin Delivery. <i>ACS Nano</i> , 2017, 11, 613-620.	7.3	255
33	Bacteria-Driven Hypoxia Targeting for Combined Biotherapy and Photothermal Therapy. <i>ACS Nano</i> , 2018, 12, 5995-6005.	7.3	253
34	Gel-Liposome-Mediated Co-Delivery of Anticancer Membrane-Associated Proteins and Small-Molecule Drugs for Enhanced Therapeutic Efficacy. <i>Advanced Functional Materials</i> , 2014, 24, 2295-2304.	7.8	252
35	Mechanical Force-Triggered Drug Delivery. <i>Chemical Reviews</i> , 2016, 116, 12536-12563.	23.0	247
36	Polymeric microneedles for transdermal protein delivery. <i>Advanced Drug Delivery Reviews</i> , 2018, 127, 106-118.	6.6	242

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37	Local generation of hydrogen for enhanced photothermal therapy. <i>Nature Communications</i> , 2018, 9, 4241.	5.8	239
38	Advances in Antimicrobial Microneedle Patches for Combating Infections. <i>Advanced Materials</i> , 2020, 32, e2002129.	11.1	237
39	Injectable Bioresponsive Gel Depot for Enhanced Immune Checkpoint Blockade. <i>Advanced Materials</i> , 2018, 30, e1801527.	11.1	233
40	Red blood cell-derived nanoerythroosome for antigen delivery with enhanced cancer immunotherapy. <i>Science Advances</i> , 2019, 5, eaaw6870.	4.7	228
41	Hypoxia and H ₂ O ₂ Dual-Sensitive Vesicles for Enhanced Glucose-Responsive Insulin Delivery. <i>Nano Letters</i> , 2017, 17, 733-739.	4.5	220
42	Tailoring Biomaterials for Cancer Immunotherapy: Emerging Trends and Future Outlook. <i>Advanced Materials</i> , 2017, 29, 1606036.	11.1	220
43	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
44	Photo-Cross-Linked Scaffold with Kartogenin-Encapsulated Nanoparticles for Cartilage Regeneration. <i>ACS Nano</i> , 2016, 10, 1292-1299.	7.3	215
45	Core-Shell Microneedle Gel for Self-Regulated Insulin Delivery. <i>ACS Nano</i> , 2018, 12, 2466-2473.	7.3	207
46	Advances in transdermal insulin delivery. <i>Advanced Drug Delivery Reviews</i> , 2019, 139, 51-70.	6.6	202
47	Furin-Mediated Sequential Delivery of Anticancer Cytokine and Small-Molecule Drug Shuttled by Graphene. <i>Advanced Materials</i> , 2015, 27, 1021-1028.	11.1	199
48	Stretch-Triggered Drug Delivery from Wearable Elastomer Films Containing Therapeutic Depots. <i>ACS Nano</i> , 2015, 9, 9407-9415.	7.3	196
49	PD-1 Blockade Cellular Vesicles for Cancer Immunotherapy. <i>Advanced Materials</i> , 2018, 30, e1707112.	11.1	196
50	Microneedles Integrated with Pancreatic Cells and Synthetic Glucose-Signal Amplifiers for Smart Insulin Delivery. <i>Advanced Materials</i> , 2016, 28, 3115-3121.	11.1	193
51	Cardiac cell-integrated microneedle patch for treating myocardial infarction. <i>Science Advances</i> , 2018, 4, eaat9365.	4.7	192
52	Synthetic beta cells for fusion-mediated dynamic insulin secretion. <i>Nature Chemical Biology</i> , 2018, 14, 86-93.	3.9	184
53	A Therapeutic Microneedle Patch Made from Hair-Derived Keratin for Promoting Hair Regrowth. <i>ACS Nano</i> , 2019, 13, 4354-4360.	7.3	184
54	Engineered Nanoplatelets for Enhanced Treatment of Multiple Myeloma and Thrombus. <i>Advanced Materials</i> , 2016, 28, 9573-9580.	11.1	182

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55	Enhanced Endosomal Escape by Light-Fueled Liquid-Metal Transformer. <i>Nano Letters</i> , 2017, 17, 2138-2145.	4.5	179
56	Biodegradable Gelatin Methacryloyl Microneedles for Transdermal Drug Delivery. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801054.	3.9	177
57	Enhanced Anticancer Efficacy by ATP-Mediated Liposomal Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5815-5820.	7.2	175
58	Engineering PD-1-Presenting Platelets for Cancer Immunotherapy. <i>Nano Letters</i> , 2018, 18, 5716-5725.	4.5	172
59	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
60	Macrophage-Specific <i>in Vivo</i> Gene Editing Using Cationic Lipid-Assisted Polymeric Nanoparticles. <i>ACS Nano</i> , 2018, 12, 994-1005.	7.3	163
61	Transdermal cold atmospheric plasma-mediated immune checkpoint blockade therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3687-3692.	3.3	163
62	Targeted repair of heart injury by stem cells fused with platelet nanovesicles. <i>Nature Biomedical Engineering</i> , 2018, 2, 17-26.	11.6	161
63	Redox-responsive nanocapsules for intracellular protein delivery. <i>Biomaterials</i> , 2011, 32, 5223-5230.	5.7	159
64	ATP-responsive DNA-graphene hybrid nanoaggregates for anticancer drug delivery. <i>Biomaterials</i> , 2015, 50, 67-74.	5.7	159
65	Detection of Mercury Ion by Infrared Fluorescent Protein and Its Hydrogel-Based Paper Assay. <i>Analytical Chemistry</i> , 2011, 83, 2324-2329.	3.2	157
66	Locally Induced Adipose Tissue Browning by Microneedle Patch for Obesity Treatment. <i>ACS Nano</i> , 2017, 11, 9223-9230.	7.3	157
67	Advances in nanomedicine for cancer starvation therapy. <i>Theranostics</i> , 2019, 9, 8026-8047.	4.6	151
68	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019, 14, 629-635.	15.6	149
69	Bioinspired and Biomimetic Nanomedicines. <i>Accounts of Chemical Research</i> , 2019, 52, 1255-1264.	7.6	149
70	Tumor Microenvironment-Mediated Construction and Deconstruction of Extracellular Drug-Delivery Depots. <i>Nano Letters</i> , 2016, 16, 1118-1126.	4.5	148
71	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
72	Targeting of NLRP3 inflammasome with gene editing for the amelioration of inflammatory diseases. <i>Nature Communications</i> , 2018, 9, 4092.	5.8	142

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73	Tailoring Materials for Modulation of Macrophage Fate. <i>Advanced Materials</i> , 2021, 33, e2004172.	11.1	141
74	Protein Nanocapsule Weaved with Enzymatically Degradable Polymeric Network. <i>Nano Letters</i> , 2009, 9, 4533-4538.	4.5	139
75	Glucose-Responsive Insulin and Delivery Systems: Innovation and Translation. <i>Advanced Materials</i> , 2020, 32, e1902004.	11.1	138
76	Cancer Stem Cell-Platelet Hybrid Membrane-Coated Magnetic Nanoparticles for Enhanced Photothermal Therapy of Head and Neck Squamous Cell Carcinoma. <i>Advanced Functional Materials</i> , 2019, 29, 1807733.	7.8	137
77	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
78	Platelet for drug delivery. <i>Current Opinion in Biotechnology</i> , 2019, 58, 81-91.	3.3	132
79	Bio-Inspired Synthetic Nanovesicles for Glucose-Responsive Release of Insulin. <i>Biomacromolecules</i> , 2014, 15, 3495-3502.	2.6	130
80	Bioorthogonal catalytic patch. <i>Nature Nanotechnology</i> , 2021, 16, 933-941.	15.6	130
81	Advances in drug delivery for post-surgical cancer treatment. <i>Biomaterials</i> , 2019, 219, 119182.	5.7	129
82	Stimuli-responsive transdermal microneedle patches. <i>Materials Today</i> , 2021, 47, 206-222.	8.3	129
83	Programmable nanomedicine: synergistic and sequential drug delivery systems. <i>Nanoscale</i> , 2015, 7, 3381-3391.	2.8	126
84	Red Blood Cells for Glucose-Responsive Insulin Delivery. <i>Advanced Materials</i> , 2017, 29, 1606617.	11.1	126
85	Leveraging Physiology for Precision Drug Delivery. <i>Physiological Reviews</i> , 2017, 97, 189-225.	13.1	125
86	Rational designs of in vivo CRISPR-Cas delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2021, 168, 3-29.	6.6	125
87	Dual targeted nanocarrier for brain ischemic stroke treatment. <i>Journal of Controlled Release</i> , 2016, 233, 64-71.	4.8	124
88	Anaerobe-Inspired Anticancer Nanovesicles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2588-2593.	7.2	124
89	Advances of injectable hydrogel-based scaffolds for cartilage regeneration. <i>International Journal of Energy Production and Management</i> , 2019, 6, 129-140.	1.9	120
90	Calming Cytokine Storm in Pneumonia by Targeted Delivery of TPCA-1 Using Platelet-Derived Extracellular Vesicles. <i>Matter</i> , 2020, 3, 287-301.	5.0	117

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91	Bioresponsive Microneedles with a Sheath Structure for H ₂ O ₂ and pH Cascade-Triggered Insulin Delivery. <i>Small</i> , 2018, 14, e1704181.	5.2	113
92	Glucose-responsive insulin by molecular and physical design. <i>Nature Chemistry</i> , 2017, 9, 937-944.	6.6	106
93	Leveraging Engineering of Cells for Drug Delivery. <i>Accounts of Chemical Research</i> , 2018, 51, 668-677.	7.6	106
94	Charge-switchable polymeric complex for glucose-responsive insulin delivery in mice and pigs. <i>Science Advances</i> , 2019, 5, eaaw4357.	4.7	104
95	Gelatin Methacryloyl Microneedle Patches for Minimally Invasive Extraction of Skin Interstitial Fluid. <i>Small</i> , 2020, 16, e1905910.	5.2	104
96	Bioresponsive Protein Complex of aPD1 and aCD47 Antibodies for Enhanced Immunotherapy. <i>Nano Letters</i> , 2019, 19, 4879-4889.	4.5	103
97	Endoprotease-Mediated Intracellular Protein Delivery Using Nanocapsules. <i>ACS Nano</i> , 2011, 5, 1385-1394.	7.3	99
98	Extraction of Plant DNA by Microneedle Patch for Rapid Detection of Plant Diseases. <i>ACS Nano</i> , 2019, 13, 6540-6549.	7.3	99
99	Cryo-shocked cancer cells for targeted drug delivery and vaccination. <i>Science Advances</i> , 2020, 6, .	4.7	99
100	Clickable Protein Nanocapsules for Targeted Delivery of Recombinant p53 Protein. <i>Journal of the American Chemical Society</i> , 2014, 136, 15319-15325.	6.6	91
101	Conjugated polymer nanomaterials for theranostics. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 764-781.	2.8	91
102	Biodegradable β -Cyclodextrin Conjugated Gelatin Methacryloyl Microneedle for Delivery of Water-insoluble Drug. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000527.	3.9	91
103	Thrombin-Responsive Transcutaneous Patch for Auto-anticoagulant Regulation. <i>Advanced Materials</i> , 2017, 29, 1604043.	11.1	90
104	ZnS@BSA Nanoclusters Potentiate Efficacy of Cancer Immunotherapy. <i>Advanced Materials</i> , 2021, 33, e2104037.	11.1	89
105	Combretastatin A4 Nanodrug-induced MMP9 Amplification Boosts Tumor-selective Release of Doxorubicin Prodrug. <i>Advanced Materials</i> , 2019, 31, e1904278.	11.1	88
106	Recent advances in nanotechnology for diabetes treatment. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015, 7, 548-564.	3.3	87
107	Biomedical polymers: synthesis, properties, and applications. <i>Science China Chemistry</i> , 2022, 65, 1010-1075.	4.2	85
108	Shape-controlled synthesis of liquid metal nanodroplets for photothermal therapy. <i>Nano Research</i> , 2019, 12, 1313-1320.	5.8	83

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109	Ultrasound-Triggered Regulation of Blood Glucose Levels Using Injectable Nano-Network. <i>Advanced Healthcare Materials</i> , 2014, 3, 811-816.	3.9	81
110	Local and Targeted Delivery of Immune Checkpoint Blockade Therapeutics. <i>Accounts of Chemical Research</i> , 2020, 53, 2521-2533.	7.6	81
111	Stimuli-Responsive delivery of therapeutics for diabetes treatment. <i>Bioengineering and Translational Medicine</i> , 2016, 1, 323-337.	3.9	80
112	Non-transdermal microneedles for advanced drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2020, 165-166, 41-59.	6.6	80
113	Degradable polymeric nanocapsule for efficient intracellular delivery of a high molecular weight tumor-selective protein complex. <i>Nano Today</i> , 2013, 8, 11-20.	6.2	78
114	CRISPR-Cas12a delivery by DNA-mediated bioresponsive editing for cholesterol regulation. <i>Science Advances</i> , 2020, 6, eaba2983.	4.7	77
115	Delivery Strategies for Immune Checkpoint Blockade. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800424.	3.9	76
116	Microneedle-Mediated Vaccination: Innovation and Translation. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 113919.	6.6	76
117	Ultrasound-triggered noninvasive regulation of blood glucose levels using microgels integrated with insulin nanocapsules. <i>Nano Research</i> , 2017, 10, 1393-1402.	5.8	74
118	Cationic lipid-assisted nanoparticles for delivery of mRNA cancer vaccine. <i>Biomaterials Science</i> , 2018, 6, 3009-3018.	2.6	72
119	Folding graft copolymer with pendant drug segments for co-delivery of anticancer drugs. <i>Biomaterials</i> , 2014, 35, 7194-7203.	5.7	71
120	Hierarchical Nanoassemblies-Assisted Combinational Delivery of Cytotoxic Protein and Antibiotic for Cancer Treatment. <i>Nano Letters</i> , 2018, 18, 2294-2303.	4.5	71
121	ROS-Responsive Microneedle Patch for Acne Vulgaris Treatment. <i>Advanced Therapeutics</i> , 2018, 1, 1800035.	1.6	69
122	Spatiotemporal drug delivery using laser-generated-focused ultrasound system. <i>Journal of Controlled Release</i> , 2015, 220, 592-599.	4.8	68
123	Colloidal crystal microneedle patch for glucose monitoring. <i>Nano Today</i> , 2020, 35, 100984.	6.2	68
124	Flexible patch with printable and antibacterial conductive hydrogel electrodes for accelerated wound healing. <i>Biomaterials</i> , 2022, 285, 121479.	5.7	68
125	Glucose-Responsive Microneedle Patches for Diabetes Treatment. <i>Journal of Diabetes Science and Technology</i> , 2019, 13, 41-48.	1.3	67
126	Leveraging H ₂ O ₂ Levels for Biomedical Applications. <i>Advanced Biology</i> , 2017, 1, e1700084.	3.0	66

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127	Transdermal colorimetric patch for hyperglycemia sensing in diabetic mice. <i>Biomaterials</i> , 2020, 237, 119782.	5.7	66
128	Dual self-regulated delivery of insulin and glucagon by a hybrid patch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29512-29517.	3.3	64
129	Bioresponsive transcutaneous patches. <i>Current Opinion in Biotechnology</i> , 2017, 48, 28-32.	3.3	62
130	KO of 5-InsP ₇ kinase activity transforms the HCT116 colon cancer cell line into a hypermetabolic, growth-inhibited phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11968-11973.	3.3	62
131	Red Blood Cells for Drug Delivery. <i>Small Methods</i> , 2017, 1, 1700270.	4.6	62
132	Glucose-responsive oral insulin delivery for postprandial glycemic regulation. <i>Nano Research</i> , 2019, 12, 1539-1545.	5.8	61
133	Advances in bioresponsive closed-loop drug delivery systems. <i>International Journal of Pharmaceutics</i> , 2018, 544, 350-357.	2.6	59
134	Engineering DNA scaffolds for delivery of anticancer therapeutics. <i>Biomaterials Science</i> , 2015, 3, 1018-1024.	2.6	57
135	Advances in transformable drug delivery systems. <i>Biomaterials</i> , 2018, 178, 546-558.	5.7	57
136	Biodegradable microneedle patch for transdermal gene delivery. <i>Nanoscale</i> , 2020, 12, 16724-16729.	2.8	57
137	Scattered seeding of CAR T cells in solid tumors augments anticancer efficacy. <i>National Science Review</i> , 2022, 9, nwab172.	4.6	57
138	Relay Drug Delivery for Amplifying Targeting Signal and Enhancing Anticancer Efficacy. <i>Advanced Materials</i> , 2017, 29, 1605803.	11.1	56
139	Unraveling the mechanobiology of immune cells. <i>Current Opinion in Biotechnology</i> , 2020, 66, 236-245.	3.3	55
140	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
141	Bioengineering of Artificial Antigen Presenting Cells and Lymphoid Organs. <i>Theranostics</i> , 2017, 7, 3504-3516.	4.6	54
142	Advances in glycosylation-mediated cancer-targeted drug delivery. <i>Drug Discovery Today</i> , 2018, 23, 1126-1138.	3.2	54
143	Progress in transdermal drug delivery systems for cancer therapy. <i>Nano Research</i> , 2020, 13, 1810-1824.	5.8	54
144	Recent progress in multidrug delivery to cancer cells by liposomes. <i>Nanomedicine</i> , 2014, 9, 1117-1120.	1.7	53

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145	Lipid-Like Nanomaterials for Simultaneous Gene Expression and Silencing In Vivo. <i>Advanced Healthcare Materials</i> , 2014, 3, 1392-1397.	3.9	53
146	Adipocytes as Anticancer Drug Delivery Depot. <i>Matter</i> , 2019, 1, 1203-1214.	5.0	53
147	Eradication of unresectable liver metastasis through induction of tumour specific energy depletion. <i>Nature Communications</i> , 2019, 10, 3051.	5.8	52
148	pH-Responsive and near-infrared-emissive polymer nanoparticles for simultaneous delivery, release, and fluorescence tracking of doxorubicin in vivo. <i>Chemical Communications</i> , 2014, 50, 4699.	2.2	50
149	Engineering Antiviral Vaccines. <i>ACS Nano</i> , 2020, 14, 12370-12389.	7.3	50
150	Engineered PD-L1-Expressing Platelets Reverse New-Onset Type 1 Diabetes. <i>Advanced Materials</i> , 2020, 32, e1907692.	11.1	49
151	Transformable DNA nanocarriers for plasma membrane targeted delivery of cytokine. <i>Biomaterials</i> , 2016, 96, 1-10.	5.7	46
152	ATP-Responsive Drug Delivery Systems. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 311-314.	2.4	45
153	Advances in Engineering Cells for Cancer Immunotherapy. <i>Theranostics</i> , 2019, 9, 7889-7905.	4.6	44
154	Iron oxide nanoparticles augment the intercellular mitochondrial transfer-mediated therapy. <i>Science Advances</i> , 2021, 7, eabj0534.	4.7	44
155	Conjugated Polymer Fluorescence Probe for Intracellular Imaging of Magnetic Nanoparticles. <i>Macromolecules</i> , 2010, 43, 10348-10354.	2.2	43
156	A dual wavelength-activatable gold nanorod complex for synergistic cancer treatment. <i>Nanoscale</i> , 2015, 7, 12096-12103.	2.8	41
157	Blood sampling using microneedles as a minimally invasive platform for biomedical diagnostics. <i>Applied Materials Today</i> , 2018, 13, 144-157.	2.3	41
158	Probing protease activity by single-fluorescent-protein nanocapsules. <i>Chemical Communications</i> , 2010, 46, 6467.	2.2	39
159	Engineering Biomaterials with Micro/Nanotechnologies for Cell Reprogramming. <i>ACS Nano</i> , 2020, 14, 1296-1318.	7.3	39
160	Advances in Translational 3D Printing for Cartilage, Bone, and Osteochondral Tissue Engineering. <i>Small</i> , 2022, 18, .	5.2	39
161	Glucose transporter inhibitor-conjugated insulin mitigates hypoglycemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10744-10748.	3.3	38
162	Integrated microneedle-smartphone nucleic acid amplification platform for in-field diagnosis of plant diseases. <i>Biosensors and Bioelectronics</i> , 2021, 187, 113312.	5.3	38

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163	Dual electroluminescence from a single-component light-emitting electrochemical cell, based on water-soluble conjugated polymer. <i>Journal of Applied Polymer Science</i> , 2006, 100, 2930-2936.	1.3	37
164	Hypoxia-Sensitive Materials for Biomedical Applications. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1931-1945.	1.3	37
165	Enhanced local cancer therapy using a CA4P and CDDP co-loaded polypeptide gel depot. <i>Biomaterials Science</i> , 2019, 7, 860-866.	2.6	37
166	Microneedle Array Patches Integrated with Nanoparticles for Therapy and Diagnosis. <i>Small Structures</i> , 2021, 2, 2000097.	6.9	37
167	Insulin-Responsive Glucagon Delivery for Prevention of Hypoglycemia. <i>Small</i> , 2017, 13, 1603028.	5.2	36
168	Advances in engineering local drug delivery systems for cancer immunotherapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1632.	3.3	35
169	Microneedle-array patch with pH-sensitive formulation for glucose-responsive insulin delivery. <i>Nano Research</i> , 2021, 14, 2689-2696.	5.8	35
170	Disrupting tumour vasculature and recruitment of aPDL1-loaded platelets control tumour metastasis. <i>Nature Communications</i> , 2021, 12, 2773.	5.8	35
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