

Xian-Zheng Zhang

List of Publications by Year in descending order

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415
papers

31,289
citations

2669

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times ranked

23596
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer Cell Membrane Camouflaged Cascade Bioreactor for Cancer Targeted Starvation and Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 7006-7018.	7.3	654
2	Thermo-sensitive polymeric micelles based on poly(N-isopropylacrylamide) as drug carriers. <i>Progress in Polymer Science</i> , 2009, 34, 893-910.	11.8	643
3	Carbon-Dot-Decorated Carbon Nitride Nanoparticles for Enhanced Photodynamic Therapy against Hypoxic Tumor <i>via</i> Water Splitting. <i>ACS Nano</i> , 2016, 10, 8715-8722.	7.3	567
4	Multifunctional Envelope-Type Mesoporous Silica Nanoparticles for Tumor-Triggered Targeting Drug Delivery. <i>Journal of the American Chemical Society</i> , 2013, 135, 5068-5073.	6.6	480
5	An Adenosine Triphosphate-Responsive Autocatalytic Fenton Nanoparticle for Tumor Ablation with Self-Supplied H_2O_2 and Acceleration of Fe(III)/Fe(II) Conversion. <i>Nano Letters</i> , 2018, 18, 7609-7618.	4.5	468
6	Design and development of polymeric micelles with cleavable links for intracellular drug delivery. <i>Progress in Polymer Science</i> , 2013, 38, 503-535.	11.8	450
7	Drug self-delivery systems for cancer therapy. <i>Biomaterials</i> , 2017, 112, 234-247.	5.7	443
8	Ferrous-Supply-Regeneration Nanoengineering for Cancer-Cell-Specific Ferroptosis in Combination with Imaging-Guided Photodynamic Therapy. <i>ACS Nano</i> , 2018, 12, 12181-12192.	7.3	381
9	Preferential Cancer Cell Self-Recognition and Tumor Self-Targeting by Coating Nanoparticles with Homotypic Cancer Cell Membranes. <i>Nano Letters</i> , 2016, 16, 5895-5901.	4.5	364
10	Switching Apoptosis to Ferroptosis: Metal-Organic Network for High-Efficiency Anticancer Therapy. <i>Nano Letters</i> , 2017, 17, 284-291.	4.5	359
11	Metal Ion/Tannic Acid Assembly as a Versatile Photothermal Platform in Engineering Multimodal Nanotheranostics for Advanced Applications. <i>ACS Nano</i> , 2018, 12, 3917-3927.	7.3	339
12	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018, 61, 1503-1552.	4.2	336
13	Recent advances in nanomaterials for enhanced photothermal therapy of tumors. <i>Nanoscale</i> , 2018, 10, 22657-22672.	2.8	309
14	An O_2 Self-Sufficient Biomimetic Nanoplatfrom for Highly Specific and Efficient Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2016, 26, 7847-7860.	7.8	305
15	Overcoming the Heat Endurance of Tumor Cells by Interfering with the Anaerobic Glycolysis Metabolism for Improved Photothermal Therapy. <i>ACS Nano</i> , 2017, 11, 1419-1431.	7.3	284
16	Engineered Bacterial Bioreactor for Tumor Therapy via Fenton-Like Reaction with Localized H_2O_2 Generation. <i>Advanced Materials</i> , 2019, 31, e1808278.	11.1	252
17	A multifunctional metal-organic framework based tumor targeting drug delivery system for cancer therapy. <i>Nanoscale</i> , 2015, 7, 16061-16070.	2.8	250
18	Enhanced Immunotherapy Based on Photodynamic Therapy for Both Primary and Lung Metastasis Tumor Eradication. <i>ACS Nano</i> , 2018, 12, 1978-1989.	7.3	250

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19	Self-assembled thermoresponsive micelles of poly(N-isopropylacrylamide-b-methyl methacrylate). <i>Biomaterials</i> , 2006, 27, 2028-2034.	5.7	239
20	Aggressive Man-made Red Blood Cells for Hypoxia-resistant Photodynamic Therapy. <i>Advanced Materials</i> , 2018, 30, e1802006.	11.1	239
21	Dual-pH Sensitive Charge-Reversal Polypeptide Micelles for Tumor-Triggered Targeting Uptake and Nuclear Drug Delivery. <i>Small</i> , 2015, 11, 2543-2554.	5.2	234
22	Porphyritic Metal-Organic Frameworks Coated Gold Nanorods as a Versatile Nanoplatfor for Combined Photodynamic/Photothermal/Chemotherapy of Tumor. <i>Advanced Functional Materials</i> , 2018, 28, 1705451.	7.8	232
23	Intra/Extracellular Lactic Acid Exhaustion for Synergistic Metabolic Therapy and Immunotherapy of Tumors. <i>Advanced Materials</i> , 2019, 31, e1904639.	11.1	232
24	Recent Advances in Subcellular Targeted Cancer Therapy Based on Functional Materials. <i>Advanced Materials</i> , 2019, 31, e1802725.	11.1	230
25	Phage-guided modulation of the gut microbiota of mouse models of colorectal cancer augments their responses to chemotherapy. <i>Nature Biomedical Engineering</i> , 2019, 3, 717-728.	11.6	229
26	Multivariate Metal-Organic Frameworks for Dialing-in the Binding and Programming the Release of Drug Molecules. <i>Journal of the American Chemical Society</i> , 2017, 139, 14209-14216.	6.6	224
27	A Mn(III)-Sealed Metal-Organic Framework Nanosystem for Redox-Unlocked Tumor Theranostics. <i>ACS Nano</i> , 2019, 13, 6561-6571.	7.3	223
28	Cancer cell membrane-coated biomimetic platform for tumor targeted photodynamic therapy and hypoxia-amplified bioreductive therapy. <i>Biomaterials</i> , 2017, 142, 149-161.	5.7	217
29	Enzyme-Induced and Tumor-Targeted Drug Delivery System Based on Multifunctional Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9078-9087.	4.0	214
30	Optically-controlled bacterial metabolite for cancer therapy. <i>Nature Communications</i> , 2018, 9, 1680.	5.8	212
31	Self-assembled, thermosensitive micelles of a star block copolymer based on PMMA and PNIPAAm for controlled drug delivery. <i>Biomaterials</i> , 2007, 28, 99-107.	5.7	209
32	Ratiometric Biosensor for Aggregation-Induced Emission-Guided Precise Photodynamic Therapy. <i>ACS Nano</i> , 2015, 9, 10268-10277.	7.3	207
33	Dual-Stage Light-Guided Tumor Inhibition by Mitochondria-Targeted Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2015, 25, 2961-2971.	7.8	205
34	Dual-Stage Light Amplified Photodynamic Therapy against Hypoxic Tumor Based on an O ₂ -Self-Sufficient Nanoplatfor. <i>Small</i> , 2017, 13, 1701621.	5.2	194
35	A Dual-Responsive Mesoporous Silica Nanoparticle for Tumor-Triggered Targeting Drug Delivery. <i>Small</i> , 2014, 10, 591-598.	5.2	190
36	ROS-induced NO generation for gas therapy and sensitizing photodynamic therapy of tumor. <i>Biomaterials</i> , 2018, 185, 51-62.	5.7	187

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37	Bacteria-Mediated Tumor Therapy Utilizing Photothermally-Controlled TNF- α Expression via Oral Administration. <i>Nano Letters</i> , 2018, 18, 2373-2380.	4.5	185
38	Cytomembrane nanovaccines show therapeutic effects by mimicking tumor cells and antigen presenting cells. <i>Nature Communications</i> , 2019, 10, 3199.	5.8	183
39	Combinational strategy for high-performance cancer chemotherapy. <i>Biomaterials</i> , 2018, 171, 178-197.	5.7	181
40	Covalent Organic Frameworks as Favorable Constructs for Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14213-14218.	7.2	180
41	Mesoporous silica-based versatile theranostic nanoplatform constructed by layer-by-layer assembly for excellent photodynamic/chemo therapy. <i>Biomaterials</i> , 2017, 117, 54-65.	5.7	179
42	Core-Shell Nanosized Assemblies Mediated by the β -Cyclodextrin Dimer with a Tumor-Triggered Targeting Property. <i>ACS Nano</i> , 2010, 4, 4211-4219.	7.3	174
43	Dynamic Properties of Temperature-Sensitive Poly(N-isopropylacrylamide) Gel Cross-Linked through Siloxane Linkage. <i>Langmuir</i> , 2001, 17, 12-16.	1.6	171
44	An O_2 Self-Supplementing and Reactive Oxygen Species-Circulating Amplified Nanoplatform via H_2O/H_2O_2 Splitting for Tumor Imaging and Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1700626.	7.8	171
45	Epigenetics-Based Tumor Cells Pyroptosis for Enhancing the Immunological Effect of Chemotherapeutic Nanocarriers. <i>Nano Letters</i> , 2019, 19, 8049-8058.	4.5	160
46	Initiator-Loaded Gold Nanocages as a Light-Induced Free Radical Generator for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9029-9033.	7.2	155
47	Strategies to improve the response rate of thermosensitive PNIPAAm hydrogels. <i>Soft Matter</i> , 2008, 4, 385.	1.2	154
48	A novel thermo-responsive drug delivery system with positive controlled release. <i>International Journal of Pharmaceutics</i> , 2002, 235, 43-50.	2.6	150
49	A Triple-Collaborative Strategy for High-Performance Tumor Therapy by Multifunctional Mesoporous Silica-Coated Gold Nanorods. <i>Advanced Functional Materials</i> , 2016, 26, 4339-4350.	7.8	150
50	Biotinylated thermoresponsive micelle self-assembled from double-hydrophilic block copolymer for drug delivery and tumor target. <i>Biomaterials</i> , 2008, 29, 497-505.	5.7	149
51	Controlled Nucleation and Controlled Growth for Size Predictable Synthesis of Nanoscale Metal-Organic Frameworks (MOFs): A General and Scalable Approach. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7836-7840.	7.2	147
52	A Red Light Activatable Multifunctional Prodrug for Image-Guided Photodynamic Therapy and Cascaded Chemotherapy. <i>Advanced Functional Materials</i> , 2016, 26, 6257-6269.	7.8	146
53	Multifunctional Mesoporous Silica Nanoparticles with Thermal-Responsive Gatekeeper for NIR Light-Triggered Chemo/Photothermal Therapy. <i>Small</i> , 2016, 12, 4286-4298.	5.2	146
54	Multifunctional Enveloped Mesoporous Silica Nanoparticles for Subcellular Co-delivery of Drug and Therapeutic Peptide. <i>Scientific Reports</i> , 2014, 4, 6064.	1.6	145

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55	Stimuli-Responsive “Cluster Bomb” for Programmed Tumor Therapy. <i>ACS Nano</i> , 2017, 11, 7201-7214.	7.3	145
56	Mitochondria-targeting “Nanoheater” for enhanced photothermal/chemo-therapy. <i>Biomaterials</i> , 2017, 117, 92-104.	5.7	143
57	Bioinorganic hybrid bacteriophage for modulation of intestinal microbiota to remodel tumor-immune microenvironment against colorectal cancer. <i>Science Advances</i> , 2020, 6, eaba1590.	4.7	142
58	Nanoparticles from Cuttlefish Ink Inhibit Tumor Growth by Synergizing Immunotherapy and Photothermal Therapy. <i>ACS Nano</i> , 2019, 13, 8618-8629.	7.3	141
59	“Extended Benzoporphyrin-Based Metal-Organic Framework for Inhibition of Tumor Metastasis. <i>ACS Nano</i> , 2018, 12, 4630-4640.	7.3	136
60	Mitochondria and plasma membrane dual-targeted chimeric peptide for single-agent synergistic photodynamic therapy. <i>Biomaterials</i> , 2019, 188, 1-11.	5.7	135
61	Self-assembled thermo- and pH responsive micelles of poly(10-undecenoic acid-b-N-isopropylacrylamide) for drug delivery. <i>Journal of Controlled Release</i> , 2006, 116, 266-274.	4.8	133
62	Photo-controlled liquid metal nanoparticle-enzyme for starvation/photothermal therapy of tumor by win-win cooperation. <i>Biomaterials</i> , 2019, 217, 119303.	5.7	128
63	Artificially Reprogrammed Macrophages as Tumor-Tropic Immunosuppression-Resistant Biologics to Realize Therapeutics Production and Immune Activation. <i>Advanced Materials</i> , 2019, 31, e1807211.	11.1	128
64	Prebiotics-Encapsulated Probiotic Spores Regulate Gut Microbiota and Suppress Colon Cancer. <i>Advanced Materials</i> , 2020, 32, e2004529.	11.1	128
65	Recent advances in photonanomedicines for enhanced cancer photodynamic therapy. <i>Progress in Materials Science</i> , 2020, 114, 100685.	16.0	128
66	Expandable Immunotherapeutic Nanoplatforms Engineered from Cytomembranes of Hybrid Cells Derived from Cancer and Dendritic Cells. <i>Advanced Materials</i> , 2019, 31, e1900499.	11.1	127
67	A biomimetic cascade nanoreactor for tumor targeted starvation therapy-amplified chemotherapy. <i>Biomaterials</i> , 2019, 195, 75-85.	5.7	127
68	Construction of cell penetrating peptide vectors with N-terminal stearylated nuclear localization signal for targeted delivery of DNA into the cell nuclei. <i>Journal of Controlled Release</i> , 2011, 155, 26-33.	4.8	126
69	A Multifunctional Biomimetic Nanoplatform for Relieving Hypoxia to Enhance Chemotherapy and Inhibit the PD-1/PD-L1 Axis. <i>Small</i> , 2018, 14, e1801120.	5.2	126
70	Self-Mineralized Photothermal Bacteria Hybridizing with Mitochondria-Targeted Metal-Organic Frameworks for Augmenting Photothermal Tumor Therapy. <i>Advanced Functional Materials</i> , 2020, 30, 1909806.	7.8	126
71	Acidity-Triggered Tumor-Targeted Chimeric Peptide for Enhanced Intra-Nuclear Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2016, 26, 4351-4361.	7.8	122
72	Rational design of multifunctional magnetic mesoporous silica nanoparticle for tumor-targeted magnetic resonance imaging and precise therapy. <i>Biomaterials</i> , 2016, 76, 87-101.	5.7	122

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73	Photocatalyzing CO ₂ to CO for Enhanced Cancer Therapy. <i>Advanced Materials</i> , 2017, 29, 1703822.	11.1	122
74	Recent Advances of Cell Membrane-Coated Nanomaterials for Biomedical Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2003559.	7.8	122
75	Therapeutic nanomedicine based on dual-intelligent functionalized gold nanoparticles for cancer imaging and therapy <i>in vivo</i> . <i>Biomaterials</i> , 2013, 34, 8798-8807.	5.7	118
76	Chimeric peptide engineered exosomes for dual-stage light guided plasma membrane and nucleus targeted photodynamic therapy. <i>Biomaterials</i> , 2019, 211, 14-24.	5.7	118
77	Artificial Super Neutrophils for Inflammation Targeting and HClO Generation against Tumors and Infections. <i>Advanced Materials</i> , 2019, 31, e1901179.	11.1	118
78	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915.	3.2	117
79	Using mixed solvent to synthesize temperature sensitive poly(N-isopropylacrylamide) gel with rapid dynamics properties. <i>Biomaterials</i> , 2002, 23, 1313-1318.	5.7	115
80	Enzyme-Driven Membrane-Targeted Chimeric Peptide for Enhanced Tumor Photodynamic Immunotherapy. <i>ACS Nano</i> , 2019, 13, 11249-11262.	7.3	112
81	Recent Advances in Engineered Materials for Immunotherapy-Involved Combination Cancer Therapy. <i>Advanced Materials</i> , 2021, 33, e2007630.	11.1	112
82	Redox-sensitive shell cross-linked PEG-polypeptide hybrid micelles for controlled drug release. <i>Polymer Chemistry</i> , 2012, 3, 1084.	1.9	111
83	Nanomaterials to relieve tumor hypoxia for enhanced photodynamic therapy. <i>Nano Today</i> , 2020, 35, 100960.	6.2	111
84	Platinum-Doped Prussian Blue Nanozymes for Multiwavelength Bioimaging Guided Photothermal Therapy of Tumor and Anti-Inflammation. <i>ACS Nano</i> , 2021, 15, 5189-5200.	7.3	111
85	Temperature and pH Double Responsive Hybrid Cross-Linked Micelles Based on P(NIPAAm-co-MPMA)-b-P(DEA): RAFT Synthesis and Schizophrenic Micellization. <i>Macromolecules</i> , 2009, 42, 4838-4844.	2.2	109
86	Tumor-Triggered Geometrical Shape Switch of Chimeric Peptide for Enhanced <i>in Vivo</i> Tumor Internalization and Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 3178-3188.	7.3	109
87	Cell primitive-based biomimetic functional materials for enhanced cancer therapy. <i>Chemical Society Reviews</i> , 2021, 50, 945-985.	18.7	108
88	Nanocatalyst-Mediated Chemodynamic Tumor Therapy. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101971.	3.9	108
89	Switch on/off microcapsules for controllable photosensitive drug release in a "release-cease-recommence" mode. <i>Polymer Chemistry</i> , 2014, 5, 4396.	1.9	106
90	A Versatile Pt-Based Core-Shell Nanoplatform as a Nanofactory for Enhanced Tumor Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1801783.	7.8	106

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91	O ₂ Economizer for Inhibiting Cell Respiration To Combat the Hypoxia Obstacle in Tumor Treatments. ACS Nano, 2019, 13, 1784-1794.	7.3	106
92	MMP-2 responsive polymeric micelles for cancer-targeted intracellular drug delivery. Chemical Communications, 2015, 51, 465-468.	2.2	104
93	Fabrication of thermosensitive PCL- <i>b</i> -PNIPAAm- <i>b</i> -PCL triblock copolymeric micelles for drug delivery. Journal of Polymer Science Part A, 2008, 46, 3048-3057.	2.5	103
94	A Tumor Targeted Chimeric Peptide for Synergistic Endosomal Escape and Therapy by Dual-Stage Light Manipulation. Advanced Functional Materials, 2015, 25, 1248-1257.	7.8	103
95	Advances in Peptide Functionalization on Mesoporous Silica Nanoparticles for Controlled Drug Release. Small, 2016, 12, 3344-3359.	5.2	102
96	A positive feedback strategy for enhanced chemotherapy based on ROS-triggered self-accelerating drug release nanosystem. Biomaterials, 2017, 128, 136-146.	5.7	102
97	A Charge Reversible Self-Delivery Chimeric Peptide with Cell Membrane-Targeting Properties for Enhanced Photodynamic Therapy. Advanced Functional Materials, 2017, 27, 1700220.	7.8	101
98	iRGD Modified Chemo-Immunotherapeutic Nanoparticles for Enhanced Immunotherapy against Glioblastoma. Advanced Functional Materials, 2018, 28, 1800025.	7.8	101
99	Recent Advances in Targeted Tumor Chemotherapy Based on Smart Nanomedicines. Small, 2018, 14, e1802417.	5.2	98
100	Inhibition of Tumor Progression through the Coupling of Bacterial Respiration with Tumor Metabolism. Angewandte Chemie - International Edition, 2020, 59, 21562-21570.	7.2	98
101	MnO ₂ Motor: A Prospective Cancer-Starving Therapy Promoter. ACS Applied Materials & Interfaces, 2018, 10, 15030-15039.	4.0	97
102	Highly Integrated Nano-Platform for Breaking the Barrier between Chemotherapy and Immunotherapy. Nano Letters, 2016, 16, 4341-4347.	4.5	96
103	Remodeling extracellular matrix based on functional covalent organic framework to enhance tumor photodynamic therapy. Biomaterials, 2020, 234, 119772.	5.7	96
104	Synthesis and Applications of Shell Cross-Linked Thermoresponsive Hybrid Micelles Based on Poly(N-isopropylacrylamide-co-3-(trimethoxysilyl)propyl methacrylate) (methyl methacrylate)- <i>b</i> -poly(ethylene glycol) (PEG)- <i>b</i> -poly(L-lactide) (PLLA) Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 10000-10010.	4.0	96
105	Encapsulation of an Adamantane-Doxorubicin Prodrug in pH-Responsive Polysaccharide Capsules for Controlled Release. ACS Applied Materials & Interfaces, 2012, 4, 5317-5324.	4.0	95
106	Free radicals for cancer theranostics. Biomaterials, 2021, 266, 120474.	5.7	95
107	Peptide-Based Multifunctional Nanomaterials for Tumor Imaging and Therapy. Advanced Functional Materials, 2018, 28, 1804492.	7.8	94
108	Preparation of fast responsive, temperature-sensitive poly(N-isopropylacrylamide) hydrogel. Macromolecular Chemistry and Physics, 1999, 200, 2602-2605.	1.1	93

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109	A biomimetic theranostic O ₂ -meter for cancer targeted photodynamic therapy and phosphorescence imaging. <i>Biomaterials</i> , 2018, 151, 1-12.	5.7	93
110	A pH-responsive prodrug for real-time drug release monitoring and targeted cancer therapy. <i>Chemical Communications</i> , 2014, 50, 11852-11855.	2.2	92
111	Tumor-Microenvironment-Triggered Ion Exchange of a Metal-Organic Framework Hybrid for Multimodal Imaging and Synergistic Therapy of Tumors. <i>Advanced Materials</i> , 2020, 32, e2001452.	11.1	92
112	Design of a Cellular Uptake-Shielding Plug and Play-Template for Photo Controllable Drug Release. <i>Advanced Materials</i> , 2011, 23, 3526-3530.	11.1	91
113	Interfering with Lactate-Fueled Respiration for Enhanced Photodynamic Tumor Therapy by a Porphyrinic MOF Nanoplatfrom. <i>Advanced Functional Materials</i> , 2018, 28, 1803498.	7.8	91
114	A Self-Transformable pH-Driven Membrane-Anchoring Photosensitizer for Effective Photodynamic Therapy to Inhibit Tumor Growth and Metastasis. <i>Advanced Functional Materials</i> , 2017, 27, 1702122.	7.8	89
115	A Versatile Carbon Monoxide Nanogenerator for Enhanced Tumor Therapy and Anti-Inflammation. <i>ACS Nano</i> , 2019, 13, 5523-5532.	7.3	89
116	Construction of surfactant-like tetra-tail amphiphilic peptide with RGD ligand for encapsulation of porphyrin for photodynamic therapy. <i>Biomaterials</i> , 2011, 32, 1678-1684.	5.7	88
117	Smart and hyper-fast responsive polyprodrug nanoplatfrom for targeted cancer therapy. <i>Biomaterials</i> , 2016, 76, 238-249.	5.7	88
118	A two-photon excited O ₂ -evolving nanocomposite for efficient photodynamic therapy against hypoxic tumor. <i>Biomaterials</i> , 2019, 194, 84-93.	5.7	88
119	Thermosensitive Y-Shaped Micelles of Poly(oleic acid-Y-N-isopropylacrylamide) for Drug Delivery. <i>Small</i> , 2006, 2, 917-923.	5.2	87
120	A surface charge-switchable and folate modified system for co-delivery of proapoptosis peptide and p53 plasmid in cancer therapy. <i>Biomaterials</i> , 2016, 77, 149-163.	5.7	86
121	Construction of Flexible-Rigid Hybrid-Phase Metal-Organic Frameworks for Controllable Multi-Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18078-18086.	7.2	86
122	Dual-Targeting Pro-apoptotic Peptide for Programmed Cancer Cell Death via Specific Mitochondria Damage. <i>Scientific Reports</i> , 2013, 3, 3468.	1.6	85
123	Hyperbranched-hyperbranched polymeric nanoassembly to mediate controllable co-delivery of siRNA and drug for synergistic tumor therapy. <i>Journal of Controlled Release</i> , 2015, 216, 9-17.	4.8	85
124	Dual stimuli-responsive multi-drug delivery system for the individually controlled release of anti-cancer drugs. <i>Chemical Communications</i> , 2015, 51, 1475-1478.	2.2	85
125	pH-sensitive MOF integrated with glucose oxidase for glucose-responsive insulin delivery. <i>Journal of Controlled Release</i> , 2020, 320, 159-167.	4.8	85
126	Biomedical polymers: synthesis, properties, and applications. <i>Science China Chemistry</i> , 2022, 65, 1010-1075.	4.2	85

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127	Activable Cell-Penetrating Peptide Conjugated Prodrug for Tumor Targeted Drug Delivery. ACS Applied Materials & Interfaces, 2015, 7, 16061-16069.	4.0	84
128	Covalent Organic Framework for Improving Near-Infrared Light Induced Fluorescence Imaging through Two-Photon Induction. Angewandte Chemie - International Edition, 2020, 59, 10087-10094.	7.2	84
129	pH Responsive micelle self-assembled from a new amphiphilic peptide as anti-tumor drug carrier. Colloids and Surfaces B: Biointerfaces, 2014, 114, 398-403.	2.5	83
130	NIR Light-Triggered Degradable MoTe ₂ Nanosheets for Combined Photothermal and Chemotherapy of Cancer. Advanced Functional Materials, 2018, 28, 1801139.	7.8	83
131	Immobilized liquid metal nanoparticles with improved stability and photothermal performance for combinational therapy of tumor. Biomaterials, 2019, 207, 76-88.	5.7	82
132	Protease-Activable Cell-Penetrating Peptide-Protoporphyrin Conjugate for Targeted Photodynamic Therapy in Vivo. ACS Applied Materials & Interfaces, 2015, 7, 28319-28329.	4.0	81
133	Multifunctional Nanosystem for Synergistic Tumor Therapy Delivered by Two-Dimensional MoS ₂ . ACS Applied Materials & Interfaces, 2017, 9, 13965-13975.	4.0	80
134	Recent advances in functional mesoporous silica-based nanoplatforms for combinational photo-chemotherapy of cancer. Biomaterials, 2020, 232, 119738.	5.7	80
135	A dual-FRET-based fluorescence probe for the sequential detection of MMP-2 and caspase-3. Chemical Communications, 2015, 51, 14520-14523.	2.2	78
136	A dual-responsive, hyaluronic acid targeted drug delivery system based on hollow mesoporous silica nanoparticles for cancer therapy. Journal of Materials Chemistry B, 2018, 6, 4618-4629.	2.9	78
137	One-Pot Construction of Functional Mesoporous Silica Nanoparticles for the Tumor-Acidity-Activated Synergistic Chemotherapy of Glioblastoma. ACS Applied Materials & Interfaces, 2013, 5, 7995-8001.	4.0	77
138	Fabrication of star-shaped, thermo-sensitive poly(N-isopropylacrylamide)-cholic acid-poly(ε-caprolactone) copolymers and their self-assembled micelles as drug carriers. Polymer, 2008, 49, 3965-3972.	1.8	75
139	Tumor Starvation Induced Spatiotemporal Control over Chemotherapy for Synergistic Therapy. Small, 2018, 14, e1803602.	5.2	75
140	Photoresponsive "Smart Template" via Host-Guest Interaction for Reversible Cell Adhesion. Macromolecules, 2011, 44, 7499-7502.	2.2	74
141	A Dual-FRET-Based Versatile Prodrug for Real-Time Drug Release Monitoring and In Situ Therapeutic Efficacy Evaluation. Advanced Functional Materials, 2015, 25, 7317-7326.	7.8	74
142	Charge-reversal plug gate nanovalves on peptide-functionalized mesoporous silica nanoparticles for targeted drug delivery. Journal of Materials Chemistry B, 2013, 1, 5723.	2.9	73
143	Cucurbit[8]uril Regulated Activatable Supramolecular Photosensitizer for Targeted Cancer Imaging and Photodynamic Therapy. ACS Applied Materials & Interfaces, 2016, 8, 22892-22899.	4.0	73
144	Multifunctional Peptide-Amphiphile End-Capped Mesoporous Silica Nanoparticles for Tumor Targeting Drug Delivery. ACS Applied Materials & Interfaces, 2017, 9, 2093-2103.	4.0	73

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145	Normalizing Tumor Microenvironment Based on Photosynthetic Abiotic/Biotic Nanoparticles. <i>ACS Nano</i> , 2018, 12, 6218-6227.	7.3	73
146	Novel Stimuli-Responsive Micelle Self-Assembled from Y-Shaped P(UA-Y-NIPAAm) Copolymer for Drug Delivery. <i>Biomacromolecules</i> , 2006, 7, 2956-2960.	2.6	72
147	Self-delivery of a peptide-based prodrug for tumor-targeting therapy. <i>Nano Research</i> , 2016, 9, 663-673.	5.8	72
148	MMP-responsive theranostic nanoplatform based on mesoporous silica nanoparticles for tumor imaging and targeted drug delivery. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1932-1940.	2.9	71
149	Near infrared light-triggered metal ion and photodynamic therapy based on AgNPs/porphyrinic MOFs for tumors and pathogens elimination. <i>Biomaterials</i> , 2020, 248, 120029.	5.7	71
150	A Transformable Chimeric Peptide for Cell Encapsulation to Overcome Multidrug Resistance. <i>Small</i> , 2018, 14, e1703321.	5.2	70
151	Multifunctional liquid metal-based nanoparticles with glycolysis and mitochondrial metabolism inhibition for tumor photothermal therapy. <i>Biomaterials</i> , 2022, 281, 121369.	5.7	70
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