# Xian-Zheng Zhang

List of Publications by Year
in descending order

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|---|---|---|---|
| 415 papers | 31,289 citations | 2544 96 h-index | 7518 151 g-index |
| 419 all docs | 419 docs citations | 419 times ranked | 23596 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cancer Cell Membrane Camouflaged Cascade Bioreactor for Cancer Targeted Starvation and Photodynamic Therapy. ACS Nano, 2017, 11, 7006-7018. | 14.6 | 654 |
| 2 | Thermo-sensitive polymeric micelles based on poly(N-isopropylacrylamide) as drug carriers. Progress in Polymer Science, 2009, 34, 893-910. | 24.7 | 643 |
| 3 | Carbon-Dot-Decorated Carbon Nitride Nanoparticles for Enhanced Photodynamic Therapy against Hypoxic Tumor via Water Splitting. ACS Nano, 2016, 10, 8715-8722. | 14.6 | 567 |
| 4 | Multifunctional Envelope-Type Mesoporous Silica Nanoparticles for Tumor-Triggered Targeting Drug Delivery. Journal of the American Chemical Society, 2013, 135, 5068-5073. | 13.7 | 480 |
| 5 | An Adenosine Triphosphate-Responsive Autocatalytic Fenton Nanoparticle for Tumor Ablation with Self-Supplied H<sub>2</sub>O<sub>2</sub> and Acceleration of Fe(III)/Fe(II) Conversion. Nano Letters, 2018, 18, 7609-7618. | 9.1 | 468 |
| 6 | Design and development of polymeric micelles with cleavable links for intracellular drug delivery. Progress in Polymer Science, 2013, 38, 503-535. | 24.7 | 450 |
| 7 | Drug self-delivery systems for cancer therapy. Biomaterials, 2017, 112, 234-247. | 11.4 | 443 |
| 8 | Ferrous-Supply-Regeneration Nanoengineering for Cancer-Cell-Specific Ferroptosis in Combination with Imaging-Guided Photodynamic Therapy. ACS Nano, 2018, 12, 12181-12192. | 14.6 | 381 |
| 9 | Preferential Cancer Cell Self-Recognition and Tumor Self-Targeting by Coating Nanoparticles with Homotypic Cancer Cell Membranes. Nano Letters, 2016, 16, 5895-5901. | 9.1 | 364 |
| 10 | Switching Apoptosis to Ferroptosis: Metalâ€“Organic Network for High-Efficiency Anticancer Therapy. Nano Letters, 2017, 17, 284-291. | 9.1 | 359 |
| 11 | Metal Ion/Tannic Acid Assembly as a Versatile Photothermal Platform in Engineering Multimodal Nanotheranostics for Advanced Applications. ACS Nano, 2018, 12, 3917-3927. | 14.6 | 339 |
| 12 | Precise nanomedicine for intelligent therapy of cancer. Science China Chemistry, 2018, 61, 1503-1552. | 8.2 | 336 |
| 13 | Recent advances in nanomaterials for enhanced photothermal therapy of tumors. Nanoscale, 2018, 10, 22657-22672. | 5.6 | 309 |
| 14 | An O<sub>2</sub> Selfâ€Sufficient Biomimetic Nanoplatform for Highly Specific and Efficient Photodynamic Therapy. Advanced Functional Materials, 2016, 26, 7847-7860. | 14.9 | 305 |
| 15 | Overcoming the Heat Endurance of Tumor Cells by Interfering with the Anaerobic Glycolysis Metabolism for Improved Photothermal Therapy. ACS Nano, 2017, 11, 1419-1431. | 14.6 | 284 |
| 16 | Engineered Bacterial Bioreactor for Tumor Therapy via Fentonâ€Like Reaction with Localized H<sub>2</sub>O<sub>2</sub> Generation. Advanced Materials, 2019, 31, e1808278. | 21.0 | 252 |
| 17 | A multifunctional metalâ€“organic framework based tumor targeting drug delivery system for cancer therapy. Nanoscale, 2015, 7, 16061-16070. | 5.6 | 250 |
| 18 | Enhanced Immunotherapy Based on Photodynamic Therapy for Both Primary and Lung Metastasis Tumor Eradication. ACS Nano, 2018, 12, 1978-1989. | 14.6 | 250 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Self-assembled thermoresponsive micelles of poly(N-isopropylacrylamide-b-methyl methacrylate). Biomaterials, 2006, 27, 2028-2034. | 11.4 | 239 |
| 20 | Aggressive Manâ€Made Red Blood Cells for Hypoxiaâ€Resistant Photodynamic Therapy. Advanced Materials, 2018, 30, e1802006. | 21.0 | 239 |
| 21 | Dual-pH Sensitive Charge-Reversal Polypeptide Micelles for Tumor-Triggered Targeting Uptake and Nuclear Drug Delivery. Small, 2015, 11, 2543-2554. | 10.0 | 234 |
| 22 | Porphyrinic Metalâ€“Organic Frameworks Coated Gold Nanorods as a Versatile Nanoplatform for Combined Photodynamic/Photothermal/Chemotherapy of Tumor. Advanced Functional Materials, 2018, 28, 1705451. | 14.9 | 232 |
| 23 | Intra/Extracellular Lactic Acid Exhaustion for Synergistic Metabolic Therapy and Immunotherapy of Tumors. Advanced Materials, 2019, 31, e1904639. | 21.0 | 232 |
| 24 | Recent Advances in Subcellular Targeted Cancer Therapy Based on Functional Materials. Advanced Materials, 2019, 31, e1802725. | 21.0 | 230 |
| 25 | Phage-guided modulation of the gut microbiota of mouse models of colorectal cancer augments their responses to chemotherapy. Nature Biomedical Engineering, 2019, 3, 717-728. | 22.5 | 229 |
| 26 | Multivariate Metalâ€“Organic Frameworks for Dialing-in the Binding and Programming the Release of Drug Molecules. Journal of the American Chemical Society, 2017, 139, 14209-14216. | 13.7 | 224 |
| 27 | A Mn(III)-Sealed Metalâ€“Organic Framework Nanosystem for Redox-Unlocked Tumor Theranostics. ACS Nano, 2019, 13, 6561-6571. | 14.6 | 223 |
| 28 | Cancer cell membrane-coated biomimetic platform for tumor targeted photodynamic therapy and hypoxia-amplified bioreductive therapy. Biomaterials, 2017, 142, 149-161. | 11.4 | 217 |
| 29 | Enzyme-Induced and Tumor-Targeted Drug Delivery System Based on Multifunctional Mesoporous Silica Nanoparticles. ACS Applied Materials & Interfaces, 2015, 7, 9078-9087. | 8.0 | 214 |
| 30 | Optically-controlled bacterial metabolite for cancer therapy. Nature Communications, 2018, 9, 1680. | 12.8 | 212 |
| 31 | Self-assembled, thermosensitive micelles of a star block copolymer based on PMMA and PNIPAAm for controlled drug delivery. Biomaterials, 2007, 28, 99-107. | 11.4 | 209 |
| 32 | Ratiometric Biosensor for Aggregation-Induced Emission-Guided Precise Photodynamic Therapy. ACS Nano, 2015, 9, 10268-10277. | 14.6 | 207 |
| 33 | Dualâ€Stageâ€Lightâ€Guided Tumor Inhibition by Mitochondriaâ€Targeted Photodynamic Therapy. Advanced Functional Materials, 2015, 25, 2961-2971. | 14.9 | 205 |
| 34 | Dualâ€Stage Light Amplified Photodynamic Therapy against Hypoxic Tumor Based on an O<sub>2</sub> Selfâ€Sufficient Nanoplatform. Small, 2017, 13, 1701621. | 10.0 | 194 |
| 35 | A Dualâ€Responsive Mesoporous Silica Nanoparticle for Tumorâ€Triggered Targeting Drug Delivery. Small, 2014, 10, 591-598. | 10.0 | 190 |
| 36 | ROS-induced NO generation for gas therapy and sensitizing photodynamic therapy of tumor. Biomaterials, 2018, 185, 51-62. | 11.4 | 187 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Bacteria-Mediated Tumor Therapy Utilizing Photothermally-Controlled TNF-Î± Expression via Oral Administration. Nano Letters, 2018, 18, 2373-2380. | 9.1 | 185 |
| 38 | Cytomembrane nanovaccines show therapeutic effects by mimicking tumor cells and antigen presenting cells. Nature Communications, 2019, 10, 3199. | 12.8 | 183 |
| 39 | Combinational strategy for high-performance cancer chemotherapy. Biomaterials, 2018, 171, 178-197. | 11.4 | 181 |
| 40 | Covalent Organic Frameworks as Favorable Constructs for Photodynamic Therapy. Angewandte Chemie - International Edition, 2019, 58, 14213-14218. | 13.8 | 180 |
| 41 | Mesoporous silica-based versatile theranostic nanoplatform constructed by layer-by-layer assembly for excellent photodynamic/chemo therapy. Biomaterials, 2017, 117, 54-65. | 11.4 | 179 |
| 42 | Coreâ^'Shell Nanosized Assemblies Mediated by the Î±â^'Î² Cyclodextrin Dimer with a Tumor-Triggered Targeting Property. ACS Nano, 2010, 4, 4211-4219. | 14.6 | 174 |
| 43 | Dynamic Properties of Temperature-Sensitive Poly(N-isopropylacrylamide) Gel Cross-Linked through Siloxane Linkage. Langmuir, 2001, 17, 12-16. | 3.5 | 171 |
| 44 | An O<sub>2</sub> Selfâ€Supplementing and Reactiveâ€Oxygenâ€Speciesâ€Circulating Amplified Nanoplatform via H<sub>2</sub>O/H<sub>2</sub>O<sub>2</sub> Splitting for Tumor Imaging and Photodynamic Therapy. Advanced Functional Materials, 2017, 27, 1700626. | 14.9 | 171 |
| 45 | Epigenetics-Based Tumor Cells Pyroptosis for Enhancing the Immunological Effect of Chemotherapeutic Nanocarriers. Nano Letters, 2019, 19, 8049-8058. | 9.1 | 160 |
| 46 | Initiatorâ€Loaded Gold Nanocages as a Lightâ€Induced Freeâ€Radical Generator for Cancer Therapy. Angewandte Chemie - International Edition, 2017, 56, 9029-9033. | 13.8 | 155 |
| 47 | Strategies to improve the response rate of thermosensitive PNIPAAm hydrogels. Soft Matter, 2008, 4, 385. | 2.7 | 154 |
| 48 | A novel thermo-responsive drug delivery system with positive controlled release. International Journal of Pharmaceutics, 2002, 235, 43-50. | 5.2 | 150 |
| 49 | A Tripleâ€Collaborative Strategy for Highâ€Performance Tumor Therapy by Multifunctional Mesoporous Silicaâ€Coated Gold Nanorods. Advanced Functional Materials, 2016, 26, 4339-4350. | 14.9 | 150 |
| 50 | Biotinylated thermoresponsive micelle self-assembled from double-hydrophilic block copolymer for drug delivery and tumor target. Biomaterials, 2008, 29, 497-505. | 11.4 | 149 |
| 51 | Controlled Nucleation and Controlled Growth for Size Predicable Synthesis of Nanoscale Metalâ€"Organic Frameworks (MOFs): A General and Scalable Approach. Angewandte Chemie - International Edition, 2018, 57, 7836-7840. | 13.8 | 147 |
| 52 | A Red Light Activatable Multifunctional Prodrug for Imageâ€Guided Photodynamic Therapy and Cascaded Chemotherapy. Advanced Functional Materials, 2016, 26, 6257-6269. | 14.9 | 146 |
| 53 | Multifunctional Mesoporous Silica Nanoparticles with Thermalâ€Responsive Gatekeeper for NIR Lightâ€Triggered Chemo/Photothermalâ€Therapy. Small, 2016, 12, 4286-4298. | 10.0 | 146 |
| 54 | Multifunctional Enveloped Mesoporous Silica Nanoparticles for Subcellular Co-delivery of Drug and Therapeutic Peptide. Scientific Reports, 2014, 4, 6064. | 3.3 | 145 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Stimuli-Responsive â€œCluster Bombâ€•for Programmed Tumor Therapy. ACS Nano, 2017, 11, 7201-7214. | 14.6 | 145 |
| 56 | Mitochondria-targeting â€œNanoheaterâ€•for enhanced photothermal/chemo-therapy. Biomaterials, 2017, 117, 92-104. | 11.4 | 143 |
| 57 | Bioinorganic hybrid bacteriophage for modulation of intestinal microbiota to remodel tumor-immune microenvironment against colorectal cancer. Science Advances, 2020, 6, eaba1590. | 10.3 | 142 |
| 58 | Nanoparticles from Cuttlefish Ink Inhibit Tumor Growth by Synergizing Immunotherapy and Photothermal Therapy. ACS Nano, 2019, 13, 8618-8629. | 14.6 | 141 |
| 59 | Ï€-Extended Benzoporphyrin-Based Metalâ€“Organic Framework for Inhibition of Tumor Metastasis. ACS Nano, 2018, 12, 4630-4640. | 14.6 | 136 |
| 60 | Mitochondria and plasma membrane dual-targeted chimeric peptide for single-agent synergistic photodynamic therapy. Biomaterials, 2019, 188, 1-11. | 11.4 | 135 |
| 61 | Self-assembled thermo- and pH responsive micelles of poly(10-undecenoic acid-b-N-isopropylacrylamide) for drug delivery. Journal of Controlled Release, 2006, 116, 266-274. | 9.9 | 133 |
| 62 | Photo-controlled liquid metal nanoparticle-enzyme for starvation/photothermal therapy of tumor by win-win cooperation. Biomaterials, 2019, 217, 119303. | 11.4 | 128 |
| 63 | Artificially Reprogrammed Macrophages as Tumorâ€Tropic Immunosuppressionâ€Resistant Biologics to Realize Therapeutics Production and Immune Activation. Advanced Materials, 2019, 31, e1807211. | 21.0 | 128 |
| 64 | Prebioticsâ€Encapsulated Probiotic Spores Regulate Gut Microbiota and Suppress Colon Cancer. Advanced Materials, 2020, 32, e2004529. | 21.0 | 128 |
| 65 | Recent advances in photonanomedicines for enhanced cancer photodynamic therapy. Progress in Materials Science, 2020, 114, 100685. | 32.8 | 128 |
| 66 | Expandable Immunotherapeutic Nanoplatforms Engineered from Cytomembranes of Hybrid Cells Derived from Cancer and Dendritic Cells. Advanced Materials, 2019, 31, e1900499. | 21.0 | 127 |
| 67 | A biomimetic cascade nanoreactor for tumor targeted starvation therapy-amplified chemotherapy. Biomaterials, 2019, 195, 75-85. | 11.4 | 127 |
| 68 | Construction of cell penetrating peptide vectors with N-terminal stearylated nuclear localization signal for targeted delivery of DNA into the cell nuclei. Journal of Controlled Release, 2011, 155, 26-33. | 9.9 | 126 |
| 69 | A Multifunctional Biomimetic Nanoplatform for Relieving Hypoxia to Enhance Chemotherapy and Inhibit the PDâ€1/PDâ€L1 Axis. Small, 2018, 14, e1801120. | 10.0 | 126 |
| 70 | Selfâ€Mineralized Photothermal Bacteria Hybridizing with Mitochondriaâ€Targeted Metalâ€“Organic Frameworks for Augmenting Photothermal Tumor Therapy. Advanced Functional Materials, 2020, 30, 1909806. | 14.9 | 126 |
| 71 | Acidityâ€Triggered Tumorâ€Targeted Chimeric Peptide for Enhanced Intraâ€Nuclear Photodynamic Therapy. Advanced Functional Materials, 2016, 26, 4351-4361. | 14.9 | 122 |
| 72 | Rational design of multifunctional magnetic mesoporous silica nanoparticle for tumor-targeted magnetic resonance imaging and precise therapy. Biomaterials, 2016, 76, 87-101. | 11.4 | 122 |

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|---|---|---|---|
| 73 | Photocatalyzing CO<sub>2</sub> to CO for Enhanced Cancer Therapy. Advanced Materials, 2017, 29, 1703822. | 21.0 | 122 |
| 74 | Recent Advances of Cell Membraneâ€Coated Nanomaterials for Biomedical Applications. Advanced Functional Materials, 2020, 30, 2003559. | 14.9 | 122 |
| 75 | Therapeutic nanomedicine based on dual-intelligent functionalized gold nanoparticles for cancer imaging and therapy inÂvivo. Biomaterials, 2013, 34, 8798-8807. | 11.4 | 118 |
| 76 | Chimeric peptide engineered exosomes for dual-stage light guided plasma membrane and nucleus targeted photodynamic therapy. Biomaterials, 2019, 211, 14-24. | 11.4 | 118 |
| 77 | Artificial Super Neutrophils for Inflammation Targeting and HClO Generation against Tumors and Infections. Advanced Materials, 2019, 31, e1901179. | 21.0 | 118 |
| 78 | Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915. | 5.9 | 117 |
| 79 | Using mixed solvent to synthesize temperature sensitive poly(N-isopropylacrylamide) gel with rapid dynamics properties. Biomaterials, 2002, 23, 1313-1318. | 11.4 | 115 |
| 80 | Enzyme-Driven Membrane-Targeted Chimeric Peptide for Enhanced Tumor Photodynamic Immunotherapy. ACS Nano, 2019, 13, 11249-11262. | 14.6 | 112 |
| 81 | Recent Advances in Engineered Materials for Immunotherapyâ€Involved Combination Cancer Therapy. Advanced Materials, 2021, 33, e2007630. | 21.0 | 112 |
| 82 | Redox-sensitive shell cross-linked PEGâ€“polypeptide hybrid micelles for controlled drug release. Polymer Chemistry, 2012, 3, 1084. | 3.9 | 111 |
| 83 | Nanomaterials to relieve tumor hypoxia for enhanced photodynamic therapy. Nano Today, 2020, 35, 100960. | 11.9 | 111 |
| 84 | Platinum-Doped Prussian Blue Nanozymes for Multiwavelength Bioimaging Guided Photothermal Therapy of Tumor and Anti-Inflammation. ACS Nano, 2021, 15, 5189-5200. | 14.6 | 111 |
| 85 | Temperature and pH Double Responsive Hybrid Cross-Linked Micelles Based on P(NIPAAm-co-MPMA)-b-P(DEA): RAFT Synthesis and â€œSchizophrenicâ€•Micellization. Macromolecules, 2009, 42, 4838-4844. | 4.8 | 109 |
| 86 | Tumor-Triggered Geometrical Shape Switch of Chimeric Peptide for Enhanced in Vivo Tumor Internalization and Photodynamic Therapy. ACS Nano, 2017, 11, 3178-3188. | 14.6 | 109 |
| 87 | Cell primitive-based biomimetic functional materials for enhanced cancer therapy. Chemical Society Reviews, 2021, 50, 945-985. | 38.1 | 108 |
| 88 | Nanocatalystâ€Mediated Chemodynamic Tumor Therapy. Advanced Healthcare Materials, 2022, 11, e2101971. | 7.6 | 108 |
| 89 | Switch on/off microcapsules for controllable photosensitive drug release in a â€˜release-cease-recommenceâ€™ mode. Polymer Chemistry, 2014, 5, 4396. | 3.9 | 106 |
| 90 | A Versatile Ptâ€Based Coreâ€“Shell Nanoplatform as a Nanofactory for Enhanced Tumor Therapy. Advanced Functional Materials, 2018, 28, 1801783. | 14.9 | 106 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | O<sub>2</sub> Economizer for Inhibiting Cell Respiration To Combat the Hypoxia Obstacle in Tumor Treatments. ACS Nano, 2019, 13, 1784-1794. | 14.6 | 106 |
| 92 | MMP-2 responsive polymeric micelles for cancer-targeted intracellular drug delivery. Chemical Communications, 2015, 51, 465-468. | 4.1 | 104 |
| 93 | Fabrication of thermosensitive PCLâ€PNIPAAmâ€PCL triblock copolymeric micelles for drug delivery. Journal of Polymer Science Part A, 2008, 46, 3048-3057. | 2.3 | 103 |
| 94 | A Tumor Targeted Chimeric Peptide for Synergistic Endosomal Escape and Therapy by Dualâ€Stage Light Manipulation. Advanced Functional Materials, 2015, 25, 1248-1257. | 14.9 | 103 |
| 95 | Advances in Peptide Functionalization on Mesoporous Silica Nanoparticles for Controlled Drug Release. Small, 2016, 12, 3344-3359. | 10.0 | 102 |
| 96 | A positive feedback strategy for enhanced chemotherapy based on ROS-triggered self-accelerating drug release nanosystem. Biomaterials, 2017, 128, 136-146. | 11.4 | 102 |
| 97 | A Charge Reversible Selfâ€Delivery Chimeric Peptide with Cell Membraneâ€Targeting Properties for Enhanced Photodynamic Therapy. Advanced Functional Materials, 2017, 27, 1700220. | 14.9 | 101 |
| 98 | iRGD Modified Chemoâ€immunotherapeutic Nanoparticles for Enhanced Immunotherapy against Glioblastoma. Advanced Functional Materials, 2018, 28, 1800025. | 14.9 | 101 |
| 99 | Recent Advances in Targeted Tumor Chemotherapy Based on Smart Nanomedicines. Small, 2018, 14, e1802417. | 10.0 | 98 |
| 100 | Inhibition of Tumor Progression through the Coupling of Bacterial Respiration with Tumor Metabolism. Angewandte Chemie - International Edition, 2020, 59, 21562-21570. | 13.8 | 98 |
| 101 | MnO<sub>2</sub> Motor: A Prospective Cancer-Starving Therapy Promoter. ACS Applied Materials & Interfaces, 2018, 10, 15030-15039. | 8.0 | 97 |
| 102 | Highly Integrated Nano-Platform for Breaking the Barrier between Chemotherapy and Immunotherapy. Nano Letters, 2016, 16, 4341-4347. | 9.1 | 96 |
| 103 | Remodeling extracellular matrix based on functional covalent organic framework to enhance tumor photodynamic therapy. Biomaterials, 2020, 234, 119772. | 11.4 | 96 |
| 104 | Synthesis and Applications of Shell Cross-Linked Thermoresponsive Hybrid Micelles Based on Poly(N-isopropylacrylamide-co-3-(trimethoxysilyl)propyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217 Td (methacrylate)-b | 8.0 | 96 |
| 105 | Encapsulation of an Adamantane-Doxorubicin Prodrug in pH-Responsive Polysaccharide Capsules for Controlled Release. ACS Applied Materials & Interfaces, 2012, 4, 5317-5324. | 8.0 | 95 |
| 106 | Free radicals for cancer theranostics. Biomaterials, 2021, 266, 120474. | 11.4 | 95 |
| 107 | Peptideâ€Based Multifunctional Nanomaterials for Tumor Imaging and Therapy. Advanced Functional Materials, 2018, 28, 1804492. | 14.9 | 94 |
| 108 | Preparation of fast responsive, temperature-sensitive poly(N-isopropylacrylamide) hydrogel. Macromolecular Chemistry and Physics, 1999, 200, 2602-2605. | 2.2 | 93 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | A biomimetic theranostic O 2 -meter for cancer targeted photodynamic therapy and phosphorescence imaging. Biomaterials, 2018, 151, 1-12. | 11.4 | 93 |
| 110 | A pH-responsive prodrug for real-time drug release monitoring and targeted cancer therapy. Chemical Communications, 2014, 50, 11852-11855. | 4.1 | 92 |
| 111 | Tumorâ€Microenvironmentâ€Triggered Ion Exchange of a Metalâ€“Organic Framework Hybrid for Multimodal Imaging and Synergistic Therapy of Tumors. Advanced Materials, 2020, 32, e2001452. | 21.0 | 92 |
| 112 | Design of a Cellularâ€Uptakeâ€Shielding â€œPlug and Playâ€•Template for Photo Controllable Drug Release. Advanced Materials, 2011, 23, 3526-3530. | 21.0 | 91 |
| 113 | Interfering with Lactateâ€Fueled Respiration for Enhanced Photodynamic Tumor Therapy by a Porphyrinic MOF Nanoplatform. Advanced Functional Materials, 2018, 28, 1803498. | 14.9 | 91 |
| 114 | A Selfâ€Transformable pHâ€Driven Membraneâ€Anchoring Photosensitizer for Effective Photodynamic Therapy to Inhibit Tumor Growth and Metastasis. Advanced Functional Materials, 2017, 27, 1702122. | 14.9 | 89 |
| 115 | A Versatile Carbon Monoxide Nanogenerator for Enhanced Tumor Therapy and Anti-Inflammation. ACS Nano, 2019, 13, 5523-5532. | 14.6 | 89 |
| 116 | Construction of surfactant-like tetra-tail amphiphilic peptide with RGD ligand for encapsulation of porphyrin for photodynamic therapy. Biomaterials, 2011, 32, 1678-1684. | 11.4 | 88 |
| 117 | Smart and hyper-fast responsive polyprodrug nanoplatform for targeted cancer therapy. Biomaterials, 2016, 76, 238-249. | 11.4 | 88 |
| 118 | A two-photon excited O2-evolving nanocomposite for efficient photodynamic therapy against hypoxic tumor. Biomaterials, 2019, 194, 84-93. | 11.4 | 88 |
| 119 | Thermosensitive Y-Shaped Micelles of Poly(oleic acid-Y-N-isopropylacrylamide) for Drug Delivery. Small, 2006, 2, 917-923. | 10.0 | 87 |
| 120 | A surface charge-switchable and folate modified system for co-delivery of proapoptosis peptide and p53 plasmid in cancer therapy. Biomaterials, 2016, 77, 149-163. | 11.4 | 86 |
| 121 | Construction of Flexibleâ€onâ€Rigid Hybridâ€Phase Metalâ€“Organic Frameworks for Controllable Multiâ€Drug Delivery. Angewandte Chemie - International Edition, 2020, 59, 18078-18086. | 13.8 | 86 |
| 122 | Dual-Targeting Pro-apoptotic Peptide for Programmed Cancer Cell Death via Specific Mitochondria Damage. Scientific Reports, 2013, 3, 3468. | 3.3 | 85 |
| 123 | Hyperbranchedâ€“hyperbranched polymeric nanoassembly to mediate controllable co-delivery of siRNA and drug for synergistic tumor therapy. Journal of Controlled Release, 2015, 216, 9-17. | 9.9 | 85 |
| 124 | Dual stimuli-responsive multi-drug delivery system for the individually controlled release of anti-cancer drugs. Chemical Communications, 2015, 51, 1475-1478. | 4.1 | 85 |
| 125 | pH-sensitive MOF integrated with glucose oxidase for glucose-responsive insulin delivery. Journal of Controlled Release, 2020, 320, 159-167. | 9.9 | 85 |
| 126 | Biomedical polymers: synthesis, properties, and applications. Science China Chemistry, 2022, 65, 1010-1075. | 8.2 | 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. | 8.0 | 84 |
| 128 | Covalent Organic Framework for Improving Nearâ€Infrared Light Induced Fluorescence Imaging through Twoâ€Photon Induction. Angewandte Chemie - International Edition, 2020, 59, 10087-10094. | 13.8 | 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. | 5.0 | 83 |
| 130 | NIR Lightâ€Triggered Degradable MoTe<sub>2</sub> Nanosheets for Combined Photothermal and Chemotherapy of Cancer. Advanced Functional Materials, 2018, 28, 1801139. | 14.9 | 83 |
| 131 | Immobilized liquid metal nanoparticles with improved stability and photothermal performance for combinational therapy of tumor. Biomaterials, 2019, 207, 76-88. | 11.4 | 82 |
| 132 | Protease-Activable Cell-Penetrating Peptideâ€“Protoporphyrin Conjugate for Targeted Photodynamic Therapy in Vivo. ACS Applied Materials & Interfaces, 2015, 7, 28319-28329. | 8.0 | 81 |
| 133 | Multifunctional Nanosystem for Synergistic Tumor Therapy Delivered by Two-Dimensional MoS<sub>2</sub>. ACS Applied Materials & Interfaces, 2017, 9, 13965-13975. | 8.0 | 80 |
| 134 | Recent advances in functional mesoporous silica-based nanoplatforms for combinational photo-chemotherapy of cancer. Biomaterials, 2020, 232, 119738. | 11.4 | 80 |
| 135 | A dual-FRET-based fluorescence probe for the sequential detection of MMP-2 and caspase-3. Chemical Communications, 2015, 51, 14520-14523. | 4.1 | 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. | 5.8 | 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. | 8.0 | 77 |
| 138 | Fabrication of star-shaped, thermo-sensitive poly(N-isopropylacrylamide)â€“cholic acidâ€“poly(É›-caprolactone) copolymers and their self-assembled micelles as drug carriers. Polymer, 2008, 49, 3965-3972. | 3.8 | 75 |
| 139 | Tumor Starvation Induced Spatiotemporal Control over Chemotherapy for Synergistic Therapy. Small, 2018, 14, e1803602. | 10.0 | 75 |
| 140 | Photoresponsive â€œSmart Templateâ€•via Hostâ€“Guest Interaction for Reversible Cell Adhesion. Macromolecules, 2011, 44, 7499-7502. | 4.8 | 74 |
| 141 | A Dualâ€FRETâ€Based Versatile Prodrug for Realâ€Time Drug Release Monitoring and In Situ Therapeutic Efficacy Evaluation. Advanced Functional Materials, 2015, 25, 7317-7326. | 14.9 | 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. | 5.8 | 73 |
| 143 | Cucurbit[8]uril Regulated Activatable Supramolecular Photosensitizer for Targeted Cancer Imaging and Photodynamic Therapy. ACS Applied Materials & Interfaces, 2016, 8, 22892-22899. | 8.0 | 73 |
| 144 | Multifunctional Peptide-Amphiphile End-Capped Mesoporous Silica Nanoparticles for Tumor Targeting Drug Delivery. ACS Applied Materials & Interfaces, 2017, 9, 2093-2103. | 8.0 | 73 |

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|---|---|---|---|
| 145 | Normalizing Tumor Microenvironment Based on Photosynthetic Abiotic/Biotic Nanoparticles. ACS Nano, 2018, 12, 6218-6227. | 14.6 | 73 |
| 146 | Novel Stimuli-Responsive Micelle Self-Assembled from Y-Shaped P(UA-Y-NIPAAm) Copolymer for Drug Delivery. Biomacromolecules, 2006, 7, 2956-2960. | 5.4 | 72 |
| 147 | Self-delivery of a peptide-based prodrug for tumor-targeting therapy. Nano Research, 2016, 9, 663-673. | 10.4 | 72 |
| 148 | MMP-responsive theranostic nanoplatform based on mesoporous silica nanoparticles for tumor imaging and targeted drug delivery. Journal of Materials Chemistry B, 2016, 4, 1932-1940. | 5.8 | 71 |
| 149 | Near infrared light-triggered metal ion and photodynamic therapy based on AgNPs/porphyrinic MOFs for tumors and pathogens elimination. Biomaterials, 2020, 248, 120029. | 11.4 | 71 |
| 150 | A Transformable Chimeric Peptide for Cell Encapsulation to Overcome Multidrug Resistance. Small, 2018, 14, e1703321. | 10.0 | 70 |
| 151 | Multifunctional liquid metal-based nanoparticles with glycolysis and mitochondrial metabolism inhibition for tumor photothermal therapy. Biomaterials, 2022, 281, 121369. | 11.4 | 70 |
| 152 | Synthesis of (Dex-HMDI)-g-PEIs as effective and low cytotoxic nonviral gene vectors. Journal of Controlled Release, 2008, 128, 171-178. | 9.9 | 69 |
| 153 | Multifunctional Theranostic Nanoplatform for Cancer Combined Therapy Based on Gold Nanorods. Advanced Healthcare Materials, 2015, 4, 2247-2259. | 7.6 | 68 |
| 154 | Novel polycationic micelles for drug delivery and gene transfer. Journal of Materials Chemistry, 2008, 18, 4433. | 6.7 | 67 |
| 155 | A two-photon fluorescent probe for exogenous and endogenous superoxide anion imaging in vitro and in vivo. Biosensors and Bioelectronics, 2017, 87, 73-80. | 10.1 | 66 |
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