

# Yue Jun Kang

## List of Publications by Year in descending order

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Version: 2024-02-01

219  
papers

9,391  
citations

41627

51  
h-index

66518

82  
g-index

221  
all docs

221  
docs citations

221  
times ranked

12974  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Bioresponsive immune-booster-based prodrug nanogel for cancer immunotherapy. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 451-466.   | 5.7  | 66        |
| 2  | Acidic TME-Responsive Nano-Bi <sub>2</sub> Se <sub>3</sub> @MnCaP as a NIR-Triggered Free Radical Generator for Hypoxia-irrelevant Phototherapy with High Specificity and Immunogenicity. <i>Small</i> , 2022, 18, e2104302. | 5.2  | 19        |
| 3  | Silk fibroin-capped metal-organic framework for tumor-specific redox dyshomeostasis treatment synergized by deoxygenation-driven chemotherapy. <i>Acta Biomaterialia</i> , 2022, 138, 545-560.                               | 4.1  | 18        |
| 4  | Microenvironment-responsive chemotherapeutic nanogels for enhancing tumor therapy via DNA damage and glutathione consumption. <i>Chinese Chemical Letters</i> , 2022, 33, 4197-4202.   | 4.8  | 20        |
| 5  | The Systematic Evaluation of Physicochemical and Biological Properties In Vitro and In Vivo for Natural Silk Fibroin Nanoparticles. <i>Advanced Fiber Materials</i> , 2022, 4, 1141-1152.                                    | 7.9  | 9         |
| 6  | A platinum nanourchin-based multi-enzymatic platform to disrupt mitochondrial function assisted by modulating the intracellular H <sub>2</sub> O <sub>2</sub> homeostasis. <i>Biomaterials</i> , 2022, 286, 121572.          | 5.7  | 15        |
| 7  | Active targeting redox-responsive mannosylated prodrug nanocolloids promote tumor recognition and cell internalization for enhanced colon cancer chemotherapy. <i>Acta Biomaterialia</i> , 2022, 147, 299-313.               | 4.1  | 20        |
| 8  | Bioengineered nanogels for cancer immunotherapy. <i>Chemical Society Reviews</i> , 2022, 51, 5136-5174.  | 18.7 | 81        |
| 9  | The co-influence of hyaluronic acid and collagen on the development of an engineered annulus tissue model with bone marrow stromal cells. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 054101.                          | 1.7  | 2         |
| 10 | Development of annulus fibrosus tissue construct with hydrogel coils containing pre-conditioned mesenchymal stem cell. <i>Journal of Materials Science and Technology</i> , 2021, 63, 27-34.                                 | 5.6  | 6         |
| 11 | Facile engineering of silk fibroin capped AuPt bimetallic nanozyme responsive to tumor microenvironmental factors for enhanced nanocatalytic therapy. <i>Theranostics</i> , 2021, 11, 107-116.                               | 4.6  | 25        |
| 12 | Polydopamine (PDA)-activated cobalt sulfide nanospheres responsive to tumor microenvironment (TME) for chemotherapeutic-enhanced photothermal therapy. <i>Chinese Chemical Letters</i> , 2021, 32, 1055-1060.                | 4.8  | 34        |
| 13 | Quantitative detection of morphine based on an up-conversion luminescent system. <i>Analyst</i> , The, 2021, 146, 989-996.   | 1.7  | 4         |
| 14 | ROS-responsive cyclodextrin nanoplatform for combined photodynamic therapy and chemotherapy of cancer. <i>Chinese Chemical Letters</i> , 2021, 32, 162-167.  | 4.8  | 98        |
| 15 | Intradermal administration of green synthesized nanosilver (NS) through film-coated PEGDA microneedles for potential antibacterial applications. <i>Biomaterials Science</i> , 2021, 9, 2244-2254.                           | 2.6  | 21        |
| 16 | Reduction-Responsive Chemo-Capsule-Based Prodrug Nanogel for Synergistic Treatment of Tumor Chemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8940-8951.   | 4.0  | 35        |
| 17 | Silk Sericin-Based Nanoparticle as the Photosensitizer Chlorin e6 Carrier for Enhanced Cancer Photodynamic Therapy. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3213-3222.                                   | 3.2  | 7         |
| 18 | Engineering silk sericin decorated zeolitic imidazolate framework-8 nanoplatform to enhance chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111594.   | 2.5  | 16        |

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|----|--|-----|-----------|
| 19 | Supramolecular Tadalafil Nanovaccine for Cancer Immunotherapy by Alleviating Myeloid-Derived Suppressor Cells and Heightening Immunogenicity. <i>Small Methods</i> , 2021, 5, e2100115.  | 4.6 | 44        |
| 20 | Engineering oxygen-deficient ZrO <sub>2-x</sub> nanoplatform as therapy-activated immunogenic cell death (ICD) inducer to synergize photothermal-augmented sonodynamic tumor elimination in NIR-II biological window. <i>Biomaterials</i> , 2021, 272, 120787. | 5.7 | 77        |
| 21 | Catalytically Active CoFe <sub>2</sub> O <sub>4</sub> Nanoflowers for Augmented Sonodynamic and Chemodynamic Combination Therapy with Elicitation of Robust Immune Response. <i>ACS Nano</i> , 2021, 15, 11953-11969.  | 7.3 | 114       |
| 22 | 5G-enabled ultra-sensitive fluorescence sensor for proactive prognosis of COVID-19. <i>Biosensors and Bioelectronics</i> , 2021, 181, 113160.  | 5.3 | 96        |
| 23 | Acid-Sensitive Supramolecular Nanoassemblies with Multivalent Interaction: Effective Tumor Retention and Deep Intratumor Infiltration. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 37680-37692.  | 4.0 | 18        |
| 24 | Tumor microenvironment responsive biomimetic copper peroxide nanoreactors for drug delivery and enhanced chemodynamic therapy. <i>Chemical Engineering Journal</i> , 2021, 416, 129037.  | 6.6 | 53        |
| 25 | Cylindrical polymer brushes-anisotropic unimolecular micelle drug delivery system for enhancing the effectiveness of chemotherapy. <i>Bioactive Materials</i> , 2021, 6, 2894-2904.  | 8.6 | 48        |
| 26 | Multifunctional SGQDs-CORM@HA nanosheets for bacterial eradication through cascade-activated nanoknife effect and photodynamic/CO gas therapy. <i>Biomaterials</i> , 2021, 277, 121084.  | 5.7 | 30        |
| 27 | MnO <sub>2</sub> -capped silk fibroin (SF) nanoparticles with chlorin e6 (Ce6) encapsulation for augmented photo-driven therapy by modulating the tumor microenvironment. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3677-3688.                        | 2.9 | 10        |
| 28 | Polyamino acid calcified nanohybrids induce immunogenic cell death for augmented chemotherapy and chemo-photodynamic synergistic therapy. <i>Theranostics</i> , 2021, 11, 9652-9666.   | 4.6 | 15        |
| 29 | Ultrasound (US)-activated redox dyshomeostasis therapy reinforced by immunogenic cell death (ICD) through a mitochondrial targeting liposomal nanosystem. <i>Theranostics</i> , 2021, 11, 9470-9491.   | 4.6 | 29        |
| 30 | Responsive agarose hydrogel incorporated with natural humic acid and MnO <sub>2</sub> nanoparticles for effective relief of tumor hypoxia and enhanced photo-induced tumor therapy. <i>Biomaterials Science</i> , 2020, 8, 353-369.                            | 2.6 | 53        |
| 31 | Light-activated oxygen self-supplied starving therapy in near-infrared (NIR) window and adjuvant hyperthermia-induced tumor ablation with an augmented sensitivity. <i>Biomaterials</i> , 2020, 234, 119771.   | 5.7 | 59        |
| 32 | A bottlebrush-architected dextran polyprodrug as an acidity-responsive vector for enhanced chemotherapy efficiency. <i>Biomaterials Science</i> , 2020, 8, 473-484.  | 2.6 | 29        |
| 33 | Reactive oxygen species-activatable camptothecin polyprodrug based dextran enhances chemotherapy efficacy by damaging mitochondria. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1245-1255.  | 2.9 | 9         |
| 34 | Rational design of oxygen deficient TiO <sub>2-x</sub> nanoparticles conjugated with chlorin e6 (Ce6) for photoacoustic imaging-guided photothermal/photodynamic dual therapy of cancer. <i>Nanoscale</i> , 2020, 12, 1707-1718.                               | 2.8 | 23        |
| 35 | Facile synthesis of hollow mesoporous nickel sulfide nanoparticles for highly efficient combinatorial photothermal chemotherapy of cancer. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7766-7776.   | 2.9 | 15        |
| 36 | Biomimetic CoO@AuPt nanozyme responsive to multiple tumor microenvironmental clues for augmenting chemodynamic therapy. <i>Biomaterials</i> , 2020, 257, 120279.   | 5.7 | 99        |

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|----|---|-----|-----------|
| 37 | Serial Separation of Microalgae in a Microfluidic Chip Under Inertial and Dielectrophoretic Forces. <i>IEEE Sensors Journal</i> , 2020, 20, 14607-14616.  | 2.4 | 14        |
| 38 | Glutathione-Responsive Multifunctional "Trojan Horse" Nanogel as a Nanotheranostic for Combined Chemotherapy and Photodynamic Anticancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 50896-50908.  | 4.0 | 37        |
| 39 | The synthesis of two-dimensional Bi <sub>2</sub> Te <sub>3</sub> @SiO <sub>2</sub> core-shell nanosheets for fluorescence/photoacoustic/infrared (FL/PA/IR) tri-modal imaging-guided photothermal/photodynamic combination therapy. <i>Biomaterials Science</i> , 2020, 8, 5874-5887. | 2.6 | 7         |
| 40 | A HMCuS@MnO <sub>2</sub> nanocomplex responsive to multiple tumor environmental clues for photoacoustic/fluorescence/magnetic resonance trimodal imaging-guided and enhanced photothermal/photodynamic therapy. <i>Nanoscale</i> , 2020, 12, 12508-12521.                             | 2.8 | 31        |
| 41 | Scaffold-Free tissue engineering with aligned bone marrow stromal cell sheets to recapitulate the microstructural and biochemical composition of annulus fibrosus. <i>Acta Biomaterialia</i> , 2020, 107, 129-137.  | 4.1 | 15        |
| 42 | A numerical study on ion concentration polarization and electric circuit performance of an electrokinetic battery. <i>Electrophoresis</i> , 2020, 41, 811-820.  | 1.3 | 3         |
| 43 | Surface modifications to polydimethylsiloxane substrate for stabilizing prolonged bone marrow stromal cell culture. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 110995.  | 2.5 | 13        |
| 44 | Prodrug-Based Versatile Nanomedicine for Enhancing Cancer Immunotherapy by Increasing Immunogenic Cell Death. <i>Small</i> , 2020, 16, e2000214.  | 5.2 | 73        |
| 45 | Development and prospects of microfluidic platforms for sperm inspection. <i>Analytical Methods</i> , 2019, 11, 4547-4560.  | 1.3 | 6         |
| 46 | Codelivery of doxorubicin and camptothecin by dual-responsive unimolecular micelle-based $\beta$ -cyclodextrin for enhanced chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110428.  | 2.5 | 27        |
| 47 | Biomimetic-inspired Crystallization of Manganese Oxide on Silk Fibroin Nanoparticles for <i>in vivo</i> MR/fluorescence Imaging-assisted Tri-modal Therapy of Cancer. <i>Theranostics</i> , 2019, 9, 6314-6333.   | 4.6 | 67        |
| 48 | Mitochondria-Specific Anticancer Drug Delivery Based on Reduction-Activated Polyprodrug for Enhancing the Therapeutic Effect of Breast Cancer Chemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29330-29340.  | 4.0 | 30        |
| 49 | Novel Oxygen-Deficient Zirconia (ZrO <sub>2-x</sub> ) for Fluorescence/Photoacoustic Imaging-Guided Photothermal/Photodynamic Therapy for Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41127-41139.  | 4.0 | 35        |
| 50 | Transdermal delivery of therapeutics through dissolvable gelatin/sucrose films coated on PEGDA microneedle arrays with improved skin permeability. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7515-7524.  | 2.9 | 29        |
| 51 | Co-delivery of chlorin e6 and doxorubicin using PEGylated hollow nanocapsules for "all-in-one" tumor theranostics. <i>Nanomedicine</i> , 2019, 14, 2273-2292.   | 1.7 | 6         |
| 52 | Smart Unimolecular Micelle-Based Polyprodrug with Dual-Redox Stimuli Response for Tumor Microenvironment: Enhanced <i>In Vivo</i> Delivery Efficiency and Tumor Penetration. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 36130-36140.                                   | 4.0 | 56        |
| 53 | Tumor-Microenvironment-Activatable Nanoreactor Based on a Polyprodrug for Multimodal-Imaging-Medicated Enhanced Cancer Chemo/Phototherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 40704-40715.   | 4.0 | 29        |
| 54 | Modulation of drug release by decoration with Pluronic F127 to improve anti-colon cancer activity of electrospun fibrous meshes. <i>Materials Science and Engineering C</i> , 2019, 99, 591-598.  | 3.8 | 8         |

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|----|--|-----|-----------|
| 55 | Highly Porous Silk Fibroin Scaffold Packed in PEGDA/Sucrose Microneedles for Controllable Transdermal Drug Delivery. <i>Biomacromolecules</i> , 2019, 20, 1334-1345.   | 2.6 | 69        |
| 56 | Construction of a Polypyrrole-Based Multifunctional Nanocomposite for Dual-Modal Imaging and Enhanced Synergistic Phototherapy against Cancer Cells. <i>Langmuir</i> , 2019, 35, 9246-9254.  | 1.6 | 12        |
| 57 | Rapid prototyping of Nanoroughened polydimethylsiloxane surfaces for the enhancement of immunomagnetic isolation and recovery of rare tumor cells. <i>Biomedical Microdevices</i> , 2019, 21, 58.  | 1.4 | 6         |
| 58 | Freeze-drying prepared ready-to-use gelatin @polypropylene nonwoven hybrid sheet for stacking 3D cell culture. <i>Cellulose</i> , 2019, 26, 6755-6768.   | 2.4 | 4         |
| 59 | Enhanced Tumor Penetration and Chemotherapy Efficiency by Covalent Self-Assembled Nanomicelle Responsive to Tumor Microenvironment. <i>Biomacromolecules</i> , 2019, 20, 2637-2648.  | 2.6 | 19        |
| 60 | Multi-chamber petaloid root-growth chip for the non-destructive study of the development and physiology of the fibrous root system of <i>Oryza sativa</i> . <i>Lab on A Chip</i> , 2019, 19, 2383-2393.  | 3.1 | 13        |
| 61 | Stimuli responsive PEGylated bismuth selenide hollow nanocapsules for fluorescence/CT imaging and light-driven multimodal tumor therapy. <i>Biomaterials Science</i> , 2019, 7, 3025-3040.   | 2.6 | 24        |
| 62 | Multi-bioresponsive silk fibroin-based nanoparticles with on-demand cytoplasmic drug release capacity for CD44-targeted alleviation of ulcerative colitis. <i>Biomaterials</i> , 2019, 212, 39-54.   | 5.7 | 181       |
| 63 | Indocyanine green-modified hollow mesoporous Prussian blue nanoparticles loading doxorubicin for fluorescence-guided tri-modal combination therapy of cancer. <i>Nanoscale</i> , 2019, 11, 5717-5731.  | 2.8 | 64        |
| 64 | Recent advances in thread-based microfluidics for diagnostic applications. <i>Biosensors and Bioelectronics</i> , 2019, 132, 171-185.  | 5.3 | 78        |
| 65 | Microfluidics-based fundamental characterization of external concentration polarization in forward osmosis. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.   | 1.0 | 6         |
| 66 | Chondroitin sulfate-functionalized polymeric nanoparticles for colon cancer-targeted chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 399-406.   | 2.5 | 41        |
| 67 | A Microfluidic Prototype System towards Microalgae Cell Separation, Treatment and Viability Characterization. <i>Sensors</i> , 2019, 19, 4940.   | 2.1 | 8         |
| 68 | A novel microfluidic capture and monitoring method for assessing physiological damage of <i>C. elegans</i> under microgravity. <i>Electrophoresis</i> , 2019, 40, 922-929.   | 1.3 | 7         |
| 69 | Oral administration of colitis tissue-accumulating porous nanoparticles for ulcerative colitis therapy. <i>International Journal of Pharmaceutics</i> , 2019, 557, 135-144.  | 2.6 | 41        |
| 70 | Spontaneous formation of tumor spheroid on a hydrophilic filter paper for cancer stem cell enrichment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 426-434.   | 2.5 | 16        |
| 71 | PEGylated mesoporous Bi <sub>2</sub> S <sub>3</sub> nanostars loaded with chlorin e6 and doxorubicin for fluorescence/CT imaging-guided multimodal therapy of cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 1-12. | 1.7 | 27        |
| 72 | Starburst Diblock Polyprodrugs: Reduction-Responsive Unimolecular Micelles with High Drug Loading and Robust Micellar Stability for Programmed Delivery of Anticancer Drugs. <i>Biomacromolecules</i> , 2019, 20, 1190-1202.                       | 2.6 | 44        |

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|----|--|------|-----------|
| 73 | Phase-Change Material Packaged within Hollow Copper Sulfide Nanoparticles Carrying Doxorubicin and Chlorin e6 for Fluorescence-Guided Trimodal Therapy of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 417-429.                                   | 4.0  | 84        |
| 74 | Enhanced Photoacoustic and Photothermal Effect of Functionalized Polypyrrole Nanoparticles for Near-Infrared Theranostic Treatment of Tumor. <i>Biomacromolecules</i> , 2019, 20, 401-411.   | 2.6  | 41        |
| 75 | Oral Drug Delivery Systems for Ulcerative Colitis Therapy: A Comparative Study with Microparticles and Nanoparticles. <i>Current Cancer Drug Targets</i> , 2019, 19, 304-311.  | 0.8  | 14        |
| 76 | Theranostic nanoplatform based on polypyrrole nanoparticles for photoacoustic imaging and photothermal therapy. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.   | 0.8  | 20        |
| 77 | Three-dimensional microfluidic chip with twin-layer herringbone structure for high efficient tumor cell capture and release via antibody-conjugated magnetic microbeads. <i>Electrophoresis</i> , 2018, 39, 1452-1459.   | 1.3  | 17        |
| 78 | 3D-Printed seed planter and well array for high-throughput seed germination screening. <i>Integrative Biology (United Kingdom)</i> , 2018, 10, 67-73.  | 0.6  | 3         |
| 79 | The Insertion Mechanism of a Living Cell Determined by the Stress Segmentation Effect of the Cell Membrane during the Tip-Cell Interaction. <i>Small</i> , 2018, 14, e1703868.   | 5.2  | 14        |
| 80 | Water-soluble fluorescent unimolecular micelles: ultra-small size, tunable fluorescence emission from the visible to NIR region and enhanced biocompatibility for <i>in vitro</i> and <i>in vivo</i> bioimaging. <i>Chemical Communications</i> , 2018, 54, 6252-6255. | 2.2  | 20        |
| 81 | Reduction-active polymeric prodrug micelles based on $\beta$ -cyclodextrin polyrotaxanes for triggered drug release and enhanced cancer therapy. <i>Carbohydrate Polymers</i> , 2018, 193, 153-162.  | 5.1  | 34        |
| 82 | Polydopamine-collagen complex to enhance the biocompatibility of polydimethylsiloxane substrates for sustaining long-term culture of L929 fibroblasts and tendon stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 408-418.            | 2.1  | 27        |
| 83 | PEGylated magnetic Prussian blue nanoparticles as a multifunctional therapeutic agent for combined targeted photothermal ablation and pH-triggered chemotherapy of tumour cells. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 384-394.                 | 5.0  | 34        |
| 84 | PEGylated Polydopamine Nanoparticles Incorporated with Indocyanine Green and Doxorubicin for Magnetically Guided Multimodal Cancer Therapy Triggered by Near-Infrared Light. <i>ACS Applied Nano Materials</i> , 2018, 1, 325-336.                                     | 2.4  | 34        |
| 85 | Reduction stimuli-responsive unimolecular polymeric prodrug based on amphiphilic dextran-framework for antitumor drug delivery. <i>Carbohydrate Polymers</i> , 2018, 182, 235-244.   | 5.1  | 42        |
| 86 | A simple technique of constructing nano-roughened polydimethylsiloxane surface to enhance mesenchymal stem cell adhesion and proliferation. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.   | 1.0  | 27        |
| 87 | Acid-active supramolecular anticancer nanoparticles based on cyclodextrin polyrotaxanes damaging both mitochondria and nuclei of tumor cells. <i>Biomaterials Science</i> , 2018, 6, 3126-3138.  | 2.6  | 25        |
| 88 | Orange, yellow and blue luminescent carbon dots controlled by surface state for multicolor cellular imaging, light emission and illumination. <i>Mikrochimica Acta</i> , 2018, 185, 539.   | 2.5  | 44        |
| 89 | Indocyanine Green-Conjugated Magnetic Prussian Blue Nanoparticles for Synchronous Photothermal/Photodynamic Tumor Therapy. <i>Nano-Micro Letters</i> , 2018, 10, 74.   | 14.4 | 81        |
| 90 | Injectable and Natural Humic Acid/Agarose Hybrid Hydrogel for Localized Light-Driven Photothermal Ablation and Chemotherapy of Cancer. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4266-4277.   | 2.6  | 41        |

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|-----|--|-----|-----------|
| 91  | Calcium-carbonate packaging magnetic polydopamine nanoparticles loaded with indocyanine green for near-infrared induced photothermal/photodynamic therapy. <i>Acta Biomaterialia</i> , 2018, 81, 242-255.                              | 4.1 | 53        |
| 92  | PEGDA/PVP Microneedles with Tailorable Matrix Constitutions for Controllable Transdermal Drug Delivery. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800233.  | 1.7 | 31        |
| 93  | Blood sampling using microneedles as a minimally invasive platform for biomedical diagnostics. <i>Applied Materials Today</i> , 2018, 13, 144-157.   | 2.3 | 41        |
| 94  | Light-activatable Chlorin e6 (Ce6)-imbedded erythrocyte membrane vesicles camouflaged Prussian blue nanoparticles for synergistic photothermal and photodynamic therapies of cancer. <i>Biomaterials Science</i> , 2018, 6, 2881-2895. | 2.6 | 56        |
| 95  | Irinotecan delivery by unimolecular micelles composed of reduction-responsive star-like polymeric prodrug with high drug loading for enhanced cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 488-496.      | 2.5 | 16        |
| 96  | Cellular Uptake Behaviors of Rigidity-Tunable Dendrimers. <i>Pharmaceutics</i> , 2018, 10, 99.   | 2.0 | 4         |
| 97  | Development of Multifunctional Polydopamine Nanoparticles As a Theranostic Nanoplatform against Cancer Cells. <i>Langmuir</i> , 2018, 34, 9516-9524.   | 1.6 | 42        |
| 98  | Methotrexate-based amphiphilic prodrug nanoaggregates for co-administration of multiple therapeutics and synergistic cancer therapy. <i>Acta Biomaterialia</i> , 2018, 77, 228-239.  | 4.1 | 41        |
| 99  | Facile fabrication of bowl-shaped microparticles for oral curcumin delivery to ulcerative colitis tissue. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 92-98.  | 2.5 | 25        |
| 100 | A paper-based photothermal array using Parafilm to analyze hyperthermia response of tumour cells under local gradient temperature. <i>Biomedical Microdevices</i> , 2018, 20, 68.  | 1.4 | 5         |
| 101 | Improving the carrier stability and drug loading of unimolecular micelle-based nanotherapeutics for acid-activated drug delivery and enhanced antitumor therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5549-5561.         | 2.9 | 10        |
| 102 | Green Fabrication of Ovalbumin Nanoparticles as Natural Polyphenol Carriers for Ulcerative Colitis Therapy. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12658-12667.   | 3.2 | 57        |
| 103 | TNF $\pm$ gene silencing mediated by orally targeted nanoparticles combined with interleukin-22 for synergistic combination therapy of ulcerative colitis. <i>Journal of Controlled Release</i> , 2018, 287, 235-246.                  | 4.8 | 96        |
| 104 | Silencing of Intestinal Glycoprotein CD98 by Orally Targeted Nanoparticles Enhances Chemosensitization of Colon Cancer. <i>ACS Nano</i> , 2018, 12, 5253-5265.   | 7.3 | 78        |
| 105 | Chitosan functionalization to prolong stable hydrophilicity of cotton thread for thread-based analytical device application. <i>Cellulose</i> , 2018, 25, 4831-4840.   | 2.4 | 21        |
| 106 | Precise Enumeration of Circulating Tumor Cells Using Support Vector Machine Algorithm on a Microfluidic Sensor. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2017, 5, 518-525.   | 3.2 | 22        |
| 107 | Rapidly cell-penetrating and reductive milieu-responsive nanoaggregates assembled from an amphiphilic folate-camptothecin prodrug for enhanced drug delivery and controlled release. <i>Biomaterials Science</i> , 2017, 5, 444-454.   | 2.6 | 43        |
| 108 | Orally Targeted Delivery of Tripeptide KPV via Hyaluronic Acid-Functionalized Nanoparticles Efficiently Alleviates Ulcerative Colitis. <i>Molecular Therapy</i> , 2017, 25, 1628-1640.   | 3.7 | 138       |

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|-----|---|-----|-----------|
| 109 | All-organic luminescent nanodots from corannulene and cyclodextrin nano-assembly: continuous-flow synthesis, non-linear optical properties, and bio-imaging applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 831-837.                      | 3.2 | 15        |
| 110 | Gemcitabine-camptothecin conjugates: a hybrid prodrug for controlled drug release and synergistic therapeutics. <i>Biomaterials Science</i> , 2017, 5, 1889-1897.   | 2.6 | 43        |
| 111 | Multifunctional silica nanoparticles as a promising theranostic platform for biomedical applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1257-1272.  | 3.2 | 85        |
| 112 | A multi-module microfluidic platform for continuous pre-concentration of water-soluble ions and separation of oil droplets from oil-in-water (O/W) emulsions using a DC-biased AC electrokinetic technique. <i>Electrophoresis</i> , 2017, 38, 645-652. | 1.3 | 16        |
| 113 | pH-responsive polymeric micelles based on poly(ethyleneglycol)-b-poly(2-(diisopropylamino) ethyl) Tj ETQq1 1 0.784314 rgBT /Overlook Colloid and Interface Science, 2017, 490, 511-519.   | 5.0 | 41        |
| 114 | Acid-Activatable Theranostic Unimolecular Micelles Composed of Amphiphilic Star-like Polymeric Prodrug with High Drug Loading for Enhanced Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2017, 14, 4032-4041.  | 2.3 | 33        |
| 115 | Redefining Chinese calligraphy rice paper: an economical and cytocompatible substrate for cell biological assays. <i>RSC Advances</i> , 2017, 7, 41017-41023.   | 1.7 | 8         |
| 116 | PEGylated polydopamine-coated magnetic nanoparticles for combined targeted chemotherapy and photothermal ablation of tumour cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 11-21.  | 2.5 | 51        |
| 117 | Surface Modification of Poly(dimethylsiloxane) with Polydopamine and Hyaluronic Acid To Enhance Hemocompatibility for Potential Applications in Medical Implants or Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33632-33644.      | 4.0 | 85        |
| 118 | Highly cell-penetrating and ultra-pH-responsive nanoplatform for controlled drug release and enhanced tumor therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 484-492.  | 2.5 | 9         |
| 119 | pH-Responsive unimolecular micelles based on amphiphilic star-like copolymers with high drug loading for effective drug delivery and cellular imaging. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6847-6859.                                    | 2.9 | 44        |
| 120 | iRGD-functionalized PEGylated nanoparticles for enhanced colon tumor accumulation and targeted drug delivery. <i>Nanomedicine</i> , 2017, 12, 1991-2006.  | 1.7 | 27        |
| 121 | Probing of peripheral blood mononuclear cells anchoring on TNF-alpha challenged-vascular endothelia in an in vitro model of the retinal microvascular. <i>Biomedical Microdevices</i> , 2017, 19, 54.   | 1.4 | 4         |
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