# You-xiang Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 51 papers | 1,317 citations | 279487 23 h-index | 360668 35 g-index |
| 55 all docs | 55 docs citations | 55 times ranked | 1838 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Bioinspired NO release coating enhances endothelial cells and inhibits smooth muscle cells. Journal of Materials Chemistry B, 2022, 10, 2454-2462. | 2.9 | 9 |
| 2 | Dissolving microneedles with a biphasic release of antibacterial agent and growth factor to promote wound healing. Biomaterials Science, 2022, 10, 2409-2416. | 2.6 | 18 |
| 3 | The substrate stiffness at physiological range significantly modulates vascular cell behavior. Colloids and Surfaces B: Biointerfaces, 2022, 214, 112483. | 2.5 | 4 |
| 4 | Mir-22-incorporated polyelectrolyte coating prevents intima hyperplasia after balloon-induced vascular injury. Biomaterials Science, 2022, 10, 3612-3623. | 2.6 | 5 |
| 5 | A Tough, Slippery, and Anticoagulant Double-Network Hydrogel Coating. ACS Applied Polymer Materials, 2022, 4, 5941-5951. | 2.0 | 14 |
| 6 | The influence of substrate stiffness on osteogenesis of vascular smooth muscle cells. Colloids and Surfaces B: Biointerfaces, 2021, 197, 111388. | 2.5 | 7 |
| 7 | A miRNA stabilizing polydopamine nano-platform for intraocular delivery of miR-21-5p in glaucoma therapy. Journal of Materials Chemistry B, 2021, 9, 3335-3345. | 2.9 | 17 |
| 8 | Polydopamine nanoparticles with different sizes for NIR-promoted gene delivery and synergistic photothermal therapy. Colloids and Surfaces B: Biointerfaces, 2021, 208, 112125. | 2.5 | 25 |
| 9 | Build an implanted â€œarsenalâ€• detachable microneedles for NIR-triggered cancer photothermo-chemotherapy. Biomaterials Science, 2021, 9, 4737-4745. | 2.6 | 8 |
| 10 | A gene-coated microneedle patch based on industrialized ultrasonic spraying technology with a polycation vector to improve antitumor efficacy. Journal of Materials Chemistry B, 2021, 9, 5528-5536. | 2.9 | 15 |
| 11 | pH-responsive polydopamine nanoparticles for photothermally promoted gene delivery. Materials Science and Engineering C, 2020, 108, 110396. | 3.8 | 40 |
| 12 | Biodegradable phosphorylcholine copolymer for cardiovascular stent coating. Journal of Materials Chemistry B, 2020, 8, 5361-5368. | 2.9 | 27 |
| 13 | Rapidly dissolving microneedle patch for synergistic gene and photothermal therapy of subcutaneous tumor. Journal of Materials Chemistry B, 2020, 8, 4331-4339. | 2.9 | 47 |
| 14 | Cutaneous microenvironment responsive microneedle patch for rapid gene release to treat subdermal tumor. Journal of Controlled Release, 2019, 314, 72-80. | 4.8 | 58 |
| 15 | Redox-responsive hyaluronic acid nanogels for hyperthermia- assisted chemotherapy to overcome multidrug resistance. Carbohydrate Polymers, 2019, 203, 378-385. | 5.1 | 39 |
| 16 | DNA-loaded microbubbles with crosslinked bovine serum albumin shells for ultrasound-promoted gene delivery and transfection. Colloids and Surfaces B: Biointerfaces, 2018, 161, 279-287. | 2.5 | 10 |
| 17 | Polydopamine-based nanoparticles with excellent biocompatibility for photothermally enhanced gene delivery. RSC Advances, 2018, 8, 34596-34602. | 1.7 | 23 |
| 18 | Tip-loaded fast-dissolving microneedle patches for photodynamic therapy of subcutaneous tumor. Journal of Controlled Release, 2018, 286, 201-209. | 4.8 | 122 |

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|---|---|---|---|
| 19 | Intracellular fluorescent light-up bioprobes with different morphology for image-guided photothermal cancer therapy. Colloids and Surfaces B: Biointerfaces, 2017, 154, 133-141. | 2.5 | 12 |
| 20 | Regulation the morphology of cationized gold nanoparticles for effective gene delivery. Colloids and Surfaces B: Biointerfaces, 2017, 157, 18-25. | 2.5 | 32 |
| 21 | An easy gene assembling strategy for light-promoted transfection by combining host-guest interaction of cucurbit[7]uril and gold nanoparticles. Scientific Reports, 2017, 7, 6064. | 1.6 | 8 |
| 22 | Programmed photosensitizer conjugated supramolecular nanocarriers with dual targeting ability for enhanced photodynamic therapy. Chemical Communications, 2016, 52, 11935-11938. | 2.2 | 29 |
| 23 | Cationized bovine serum albumin as gene carrier: Influence of specific secondary structure on DNA complexibility and gene transfection. Colloids and Surfaces B: Biointerfaces, 2016, 143, 37-46. | 2.5 | 17 |
| 24 | R8-modified polysarcosine- b -polylysine polypeptide to enhance circulation stability and gene delivery efficiency. Journal of Controlled Release, 2015, 213, e50-e51. | 4.8 | 7 |
| 25 | Development of Supramolecular Pseudoâ€Block Conjugates Based on Starâ€Shaped Polycation for DNA Delivery. Macromolecular Chemistry and Physics, 2015, 216, 1507-1515. | 1.1 | 1 |
| 26 | Azo-capped polysarcosine-b-polylysine as polypeptide gene vector: A new strategy to improve stability and easy optimization via hostâ€“guest interaction. Colloids and Surfaces B: Biointerfaces, 2015, 130, 31-39. | 2.5 | 12 |
| 27 | Polypeptoids with tunable cloud point temperatures synthesized from N-substituted glycine N-thiocarboxyanhydrides. Polymer Chemistry, 2015, 6, 3164-3174. | 1.9 | 51 |
| 28 | Cell penetrating peptide-based polyplexes shelled with polysaccharide to improve stability and gene transfection. Nanoscale, 2015, 7, 8476-8484. | 2.8 | 27 |
| 29 | Design and formulation of trimethylated chitosan-graft-poly(É›-caprolactone) nanoparticles used for gene delivery. Carbohydrate Polymers, 2014, 101, 104-112. | 5.1 | 45 |
| 30 | Photoluminescent supramolecular hyperbranched polymer without conventional chromophores based on inclusion complexation. Chemical Communications, 2014, 50, 9584. | 2.2 | 36 |
| 31 | Multifunctional nanoparticles via hostâ€“guest interactions: a universal platform for targeted imaging and light-regulated gene delivery. Chemical Communications, 2014, 50, 1579. | 2.2 | 35 |
| 32 | Redox-triggered intracellular dePEGylation based on diselenide-linked polycations for DNA delivery. Journal of Materials Chemistry B, 2013, 1, 6418. | 2.9 | 37 |
| 33 | Bioinspired phosphorylcholine-modified polyplexes as an effective strategy for selective uptake and transfection of cancer cells. Colloids and Surfaces B: Biointerfaces, 2013, 111, 297-305. | 2.5 | 26 |
| 34 | Tat-conjugated hyaluronic acid enveloping polyplexes with facilitated nuclear entry and improved transfection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 423, 124-130. | 2.3 | 4 |
| 35 | Light-regulated hostâ€“guest interaction as a new strategy for intracellular PEG-detachable polyplexes to facilitate nuclear entry. Chemical Communications, 2012, 48, 10126. | 2.2 | 34 |
| 36 | Functional Poly(Dimethyl Aminoethyl Methacrylate) by Combination of Radical Ringâ€Opening Polymerization and Click Chemistry for Biomedical Applications. Macromolecular Chemistry and Physics, 2012, 213, 1643-1654. | 1.1 | 29 |

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|---|---|---|---|
| 37 | The influence of cyclodextrin modification on cellular uptake and transfection efficiency of polyplexes. Organic and Biomolecular Chemistry, 2011, 9, 7799. | 1.5 | 29 |
| 38 | Preparation of chitosan rods with excellent mechanical properties: One candidate for bone fracture internal fixation. Science China Chemistry, 2011, 54, 380-384. | 4.2 | 32 |
| 39 | A facile approach to construct hyaluronic acid shielding polyplexes with improved stability and reduced cytotoxicity. Colloids and Surfaces B: Biointerfaces, 2011, 84, 259-266. | 2.5 | 35 |
| 40 | A facile approach to construct hybrid multi-shell calcium phosphate gene particles. Journal of Zhejiang University: Science B, 2010, 11, 292-297. | 1.3 | 7 |
| 41 | A facile approach to construct three-dimensional oriented chitosan scaffolds with in-situ precipitation method. Carbohydrate Polymers, 2010, 80, 408-412. | 5.1 | 12 |
| 42 | Preparation and characterization of cellulose fiber/chitosan composites. Polymer Composites, 2009, 30, 1517-1522. | 2.3 | 26 |
| 43 | Cholesterol tethered bioresponsive polycation as a candidate for gene delivery. Materials Science and Engineering C, 2009, 29, 1066-1070. | 3.8 | 5 |
| 44 | Construction of caged polyplexes with a reversible intracellular unpacking property to improve stability and transfection. Acta Biomaterialia, 2008, 4, 1235-1243. | 4.1 | 14 |
| 45 | Stability and Drug Loading of Spontaneous Vesicles of Comb-Like PEG Derivates. Macromolecular Rapid Communications, 2007, 28, 660-665. | 2.0 | 20 |
| 46 | A facile entrapment approach to construct PEGylated polyplexes for improving stability in physiological condition. Colloids and Surfaces B: Biointerfaces, 2007, 58, 188-196. | 2.5 | 14 |
| 47 | The development and characterization of a glutathione-sensitive cross-linked polyethylenimine gene vector. Biomaterials, 2006, 27, 5292-5298. | 5.7 | 106 |
| 48 | Construction and deconstruction of PLL/DNA multilayered films for DNA delivery: Effect of ionic strength. Colloids and Surfaces B: Biointerfaces, 2005, 46, 63-69. | 2.5 | 55 |
| 49 | Progress in non-viral gene delivery systems fabricated via supramolecular assembly. Science Bulletin, 2005, 50, 289-294. | 1.7 | 4 |
| 50 | Preparation and magnetic properties of [P(St-co-AA)]Ni microspheres. Journal of Applied Polymer Science, 1997, 64, 1843-1848. | 1.3 | 24 |
| 51 | Laserâ€triggered Interfacial Generation of ROS Promotes a Rapid Fabrication of Polydopamine Coating. Macromolecular Materials and Engineering, 0, , 2100987. | 1.7 | 0 |