

# Xiaojun Cai

## List of Publications by Year in descending order

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38  
papers

1,907  
citations

331670

21  
h-index

345221

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan and polyhexamethylene guanidine dual-functionalized cotton gauze as a versatile bandage for the management of chronic wounds. <i>Carbohydrate Polymers</i> , 2022, 282, 119130.	10.2	26
2	An all-in-one CO gas therapy-based hydrogel dressing with sustained insulin release, anti-oxidative stress, antibacterial, and anti-inflammatory capabilities for infected diabetic wounds. <i>Acta Biomaterialia</i> , 2022, 146, 49-65.	8.3	42
3	An Alternating Irradiation Strategy-Driven Combination Therapy of PDT and RNAi for Highly Efficient Inhibition of Tumor Growth and Metastasis. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001850.	7.6	16
4	Chemical constituents of radix <i>Actinidia chinensis</i> plant by UPLC-MS. <i>Biomedical Chromatography</i> , 2021, 35, e5103.	1.7	17
5	A versatile chitosan nanogel capable of generating AgNPs in-situ and long-acting slow-release of Ag+ for highly efficient antibacterial. <i>Carbohydrate Polymers</i> , 2021, 257, 117636.	10.2	39
6	Arg-Rich Amphiphilic Dendritic Peptide as a Versatile NO Donor for NO/Photodynamic Synergistic Treatment of Bacterial Infections and Promoting Wound Healing. <i>Small</i> , 2021, 17, e2101495.	10.0	73
7	Photodynamic and photothermal co-driven CO-enhanced multi-mode synergistic antibacterial nanoplatfrom to effectively fight against biofilm infections. <i>Chemical Engineering Journal</i> , 2021, 426, 131919.	12.7	63
8	A multifunctional anti-inflammatory drug that can specifically target activated macrophages, massively deplete intracellular H <sub>2</sub> O <sub>2</sub> , and produce large amounts CO for a highly efficient treatment of osteoarthritis. <i>Biomaterials</i> , 2020, 255, 120155.	11.4	63
9	Development of an UPLC-MS/MS assay to determine psoralidin in rat plasma and its application in a pharmacokinetic study after intragastric administration. <i>Acta Chromatographica</i> , 2020, 32, 215-218.	1.3	4
10	Ultra-efficient Antibacterial System Based on Photodynamic Therapy and CO Gas Therapy for Synergistic Antibacterial and Ablation Biofilms. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 22479-22491.	8.0	122
11	A Rapid UPLC-MS Method for Quantification of Gomisins D in Rat Plasma and Its Application to a Pharmacokinetic and Bioavailability Study. <i>Molecules</i> , 2019, 24, 1403.	3.8	5
12	Bionic Poly(L-Glutamic Acid) Electrospun Fibrous Scaffolds for Preventing Hypertrophic Scars. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900123.	7.6	51
13	Peptide dendrimer-crosslinked inorganic-organic hybrid supramolecular hydrogel for efficient anti-biofouling. <i>Chinese Chemical Letters</i> , 2018, 29, 501-504.	9.0	15
14	PDT-Driven Highly Efficient Intracellular Delivery and Controlled Release of CO in Combination with Sufficient Singlet Oxygen Production for Synergistic Anticancer Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1804324.	14.9	108
15	Highly Efficient and Safe Delivery of VEGF siRNA by Bioreducible Fluorinated Peptide Dendrimers for Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 9402-9415.	8.0	57
16	A facile one-step gelation approach simultaneously combining physical and chemical cross-linking for the preparation of injectable hydrogels. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3145-3153.	5.8	6
17	Correction: Reversible PEGylation and Schiff-base linked imidazole modification of polylysine for high-performance gene delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 181-181.	5.8	0
18	Polyethylene glycol&ndash;poly(&epsilon;-benzyloxycarbonyl-L-lysine)-conjugated VEGF siRNA for antiangiogenic gene therapy in hepatocellular carcinoma. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3591-3603.	6.7	25

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19	Synthesis of amphipathic superparamagnetic Fe <sub>3</sub> O <sub>4</sub> Janus nanoparticles via a moderate strategy and their controllable self-assembly. <i>RSC Advances</i> , 2016, 6, 40450-40458.	3.6	22
20	Pharmacokinetics and pharmacodynamics study of rhein treating renal fibrosis based on metabonomics approach. <i>Phytomedicine</i> , 2016, 23, 1661-1670.	5.3	14
21	Bioreducible Fluorinated Peptide Dendrimers Capable of Circumventing Various Physiological Barriers for Highly Efficient and Safe Gene Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 5821-5832.	8.0	99
22	The study on serum and urine of renal interstitial fibrosis rats induced by unilateral ureteral obstruction based on metabonomics and network analysis methods. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2607-2619.	3.7	17
23	Disulfide-Bridged Cleavable PEGylation of Poly-L-Lysine for siRNA Delivery. <i>Methods in Molecular Biology</i> , 2016, 1364, 49-61.	0.9	9
24	Reversible PEGylation and Schiff-base linked imidazole modification of polylysine for high-performance gene delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1507-1517.	5.8	20
25	Gene Therapy: Suppression of VEGF by Reversible-PEGylated Histidylated Polylysine in Cancer Therapy ( <i>Adv. Healthcare Mater.</i> 11/2014). <i>Advanced Healthcare Materials</i> , 2014, 3, 1694-1694.	7.6	0
26	Influence of reduction-sensitive diselenide bonds and disulfide bonds on oligoethylenimine conjugates for gene delivery. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7210-7221.	5.8	53
27	Suppression of VEGF by Reversible PEGylated Histidylated Polylysine in Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2014, 3, 1818-1827.	7.6	19
28	Biocompatible polyethylenimine-graft-dextran cationer for highly efficient gene delivery assisted by a nuclear targeting ligand. <i>Polymer Chemistry</i> , 2013, 4, 2528.	3.9	36
29	Effects of spatial distribution of the nuclear localization sequence on gene transfection in cationer gene polyplexes. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1712.	5.8	11
30	A Versatile Multicomponent Assembly via $\beta$ -cyclodextrin Host-Guest Chemistry on Graphene for Biomedical Applications. <i>Small</i> , 2013, 9, 446-456.	10.0	73
31	Effective Gene Delivery Using Stimulus-Responsive Cationer Designed with Redox-Sensitive Disulfide and Acid-Labile Imine Linkers. <i>Biomacromolecules</i> , 2012, 13, 1024-1034.	5.4	113
32	Mesoporous Silica Nanoparticles Capped with Disulfide-Linked PEG Gatekeepers for Glutathione-Mediated Controlled Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3177-3183.	8.0	175
33	Engineered polyethylenimine/graphene oxide nanocomposite for nuclear localized gene delivery. <i>Polymer Chemistry</i> , 2012, 3, 2561.	3.9	104
34	Engineered Redox-Responsive PEG Detachment Mechanism in PEGylated Nano-Graphene Oxide for Intracellular Drug Delivery. <i>Small</i> , 2012, 8, 760-769.	10.0	308
35	Galactose Decorated Acid-Labile Nanoparticles Encapsulating Quantum Dots for Enhanced Cellular Uptake and Subcellular Localization. <i>Pharmaceutical Research</i> , 2012, 29, 2167-2179.	3.5	17
36	Promoted Transfection Efficiency of pDNA Polyplexes-Loaded Biodegradable Microparticles Containing Acid-Labile Segments and Galactose Grafts. <i>Pharmaceutical Research</i> , 2012, 29, 471-482.	3.5	12

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37	Glutathione-mediated shedding of PEG layers based on disulfide-linked cationomers for DNA delivery. <i>Journal of Materials Chemistry</i> , 2011, 21, 14639.	6.7	54
38	The photoluminescence enhancement of electrospun poly(ethylene oxide) fibers with CdS and polyaniline inoculations. <i>Acta Materialia</i> , 2008, 56, 5775-5782.	7.9	19