

# Xiangdong Kong

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,011  
citations

471509

17  
h-index

477307

29  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal fabrication of porous hollow hydroxyapatite microspheres for a drug delivery system. <i>Materials Science and Engineering C</i> , 2016, 62, 166-172.	7.3	90
2	Silk fibroin membrane used for guided bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2017, 70, 148-154.	7.3	76
3	Poly(amidoamine)-modified mesoporous silica nanoparticles as a mucoadhesive drug delivery system for potential bladder cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 189, 110832.	5.0	59
4	Multifunctional nanoparticles as photosensitizer delivery carriers for enhanced photodynamic cancer therapy. <i>Materials Science and Engineering C</i> , 2020, 115, 111099.	7.3	53
5	Injectable hydrogel systems with multiple biophysical and biochemical cues for bone regeneration. <i>Biomaterials Science</i> , 2020, 8, 2537-2548.	5.4	50
6	Microskin-Inspired Injectable MSC-Laden Hydrogels for Scarless Wound Healing with Hair Follicles. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000041.	7.6	48
7	Magnetic hydroxyapatite nanocomposites: The advances from synthesis to biomedical applications. <i>Materials and Design</i> , 2021, 197, 109269.	7.0	43
8	Calcium phosphate nanoparticles-based systems for siRNA delivery. <i>International Journal of Energy Production and Management</i> , 2016, 3, 187-195.	3.7	42
9	Aligned fibrin/functionalized self-assembling peptide interpenetrating nanofiber hydrogel presenting multi-cues promotes peripheral nerve functional recovery. <i>Bioactive Materials</i> , 2022, 8, 529-544.	15.6	35
10	A multi-modal delivery strategy for spinal cord regeneration using a composite hydrogel presenting biophysical and biochemical cues synergistically. <i>Biomaterials</i> , 2021, 276, 120971.	11.4	32
11	Inorganic material based macrophage regulation for cancer therapy: basic concepts and recent advances. <i>Biomaterials Science</i> , 2021, 9, 4568-4590.	5.4	28
12	Mineralization of calcium phosphate controlled by biomimetic self-assembled peptide monolayers via surface electrostatic potentials. <i>Bioactive Materials</i> , 2020, 5, 387-397.	15.6	26
13	Immobilizing osteogenic growth peptide with and without fibronectin on a titanium surface: effects of loading methods on mesenchymal stem cell differentiation. <i>International Journal of Nanomedicine</i> , 2015, 10, 283.	6.7	22
14	Polymer-grafted hollow mesoporous silica nanoparticles integrated with microneedle patches for glucose-responsive drug delivery. <i>Frontiers of Materials Science</i> , 2021, 15, 98-112.	2.2	21
15	Porous composite scaffolds of hydroxyapatite/silk fibroin via two-step method. <i>Polymers for Advanced Technologies</i> , 2011, 22, 909-914.	3.2	20
16	Structural alignment guides oriented migration and differentiation of endogenous neural stem cells for neurogenesis in brain injury treatment. <i>Biomaterials</i> , 2022, 280, 121310.	11.4	20
17	Glucose- and pH-Responsive Supramolecular Polymer Vesicles Based on Host-Guest Interaction for Transcutaneous Delivery of Insulin. <i>ACS Applied Bio Materials</i> , 2020, 3, 6376-6383.	4.6	19
18	Biomimetic synthesis of sericin and silica hybrid colloidosomes for stimuli-responsive anti-cancer drug delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 102-111.	5.0	18

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19	Hierarchical nano-to-molecular disassembly of boron dipyrromethene nanoparticles for enhanced tumor penetration and activatable photodynamic therapy. <i>Biomaterials</i> , 2021, 275, 120945.	11.4	18
20	siRNA-Loaded Hydroxyapatite Nanoparticles for KRAS Gene Silencing in Anti-Pancreatic Cancer Therapy. <i>Pharmaceutics</i> , 2021, 13, 1428.	4.5	17
21	In Vivo Bio-distribution and Efficient Tumor Targeting of Gelatin/Silica Nanoparticles for Gene Delivery. <i>Nanoscale Research Letters</i> , 2016, 11, 195.	5.7	16
22	Facile synthesis of Mn doped TiO <sub>2</sub> rhombic nanocomposites for enhanced T1-Magnetic resonance imaging and photodynamic therapy. <i>Materials Research Bulletin</i> , 2021, 144, 111481.	5.2	16
23	Silk Fibroin/Collagen Blended Membrane Fabricated via a Green Papermaking Method for Potential Guided Bone Regeneration Application: <i>In Vitro</i> and <i>In Vivo</i> Evaluation. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5788-5797.	5.2	16
24	Synergistic photodynamic and photothermal therapy of BODIPY-conjugated hyaluronic acid nanoparticles. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021, 32, 2028-2045.	3.5	15
25	Robust and Versatile Cellulose Aerogel with a Self-Wettable Surface for Efficient Dual Separations of Oil-in-Water and Water-in-Oil Emulsions. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1657-1665.	4.4	15
26	Differential Sensitivities of Fast- and Slow-Cycling Cancer Cells to Inosine Monophosphate Dehydrogenase 2 Inhibition by Mycophenolic Acid. <i>Molecular Medicine</i> , 2015, 21, 792-802.	4.4	14
27	Biosilicified oncolytic adenovirus for cancer viral gene therapy. <i>Biomaterials Science</i> , 2020, 8, 5317-5328.	5.4	13
28	Facile synthesis of biocompatible magnetic titania nanorods for T <sub>1</sub> -magnetic resonance imaging and enhanced phototherapy of cancers. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6623-6633.	5.8	13
29	Calcium carbonate microparticles used as a gene vector for delivering p53 gene into cancer cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2312-2318.	4.0	12
30	Laminin functionalized biomimetic apatite to regulate the adhesion and proliferation behaviors of neural stem cells. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 6223-6233.	6.7	12
31	Antiviral effects of coinage metal-based nanomaterials to combat COVID-19 and its variants. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5323-5343.	5.8	12
32	Polyethyleneimine-modified calcium carbonate nanoparticles for p53 gene delivery. <i>International Journal of Energy Production and Management</i> , 2016, 3, 57-63.	3.7	11
33	Poly(acrylic acid)-regulated Synthesis of Rod-Like Calcium Carbonate Nanoparticles for Inducing the Osteogenic Differentiation of MC3T3-E1 Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 639.	4.1	10
34	Biomimetic apatite formed on cobalt-chromium alloy: A polymer-free carrier for drug eluting stent. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 156-164.	5.0	10
35	Crosstalk between PC12 cells and endothelial cells in an artificial neurovascular niche constructed by a dual-functionalized self-assembling peptide nanofiber hydrogel. <i>Nano Research</i> , 2022, 15, 1433-1445.	10.4	10
36	A biomineralized Prussian blue nanotherapeutic for enhanced cancer photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4889-4896.	5.8	10

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37	The anti-tumor effect of p53 gene-loaded hydroxyapatite nanoparticles in vitro and in vivo. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	9
38	Characterization, antioxidant activity, and biocompatibility of selenium nanoparticle-loaded thermosensitive chitosan hydrogels. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 1370-1385.	3.5	9
39	Towards understanding the distribution and tumor targeting of sericin regulated spherical calcium phosphate nanoparticles. Microscopy Research and Technique, 2017, 80, 321-330.	2.2	8
40	ROS-responsive Ag-TiO <sub>2</sub> hybrid nanorods for enhanced photodynamic therapy of breast cancer and antimicrobial applications. Journal of Science: Advanced Materials and Devices, 2022, 7, 100417.	3.1	8
41	Facile Synthesis of Multifunctional Magnetoplasmonic Au-MnO Hybrid Nanocomposites for Cancer Theranostics. Nanomaterials, 2022, 12, 1370.	4.1	7
42	Manganese Phosphate-Doxorubicin-Based Nanomedicines Using Mimetic Mineralization for Cancer Chemotherapy. ACS Biomaterials Science and Engineering, 2022, 8, 1930-1941.	5.2	6
43	Mitochondria-Targeted Photodynamic Cancer Therapy of Nanoscale Liposome-Encapsulating Boron Dipyrromethene Photosensitizers Conjugated with Pyridine Cations. ACS Applied Nano Materials, 2022, 5, 5459-5469.	5.0	6
44	Multivalent effects of heptamannosylated $\beta$ -cyclodextrins on macrophage polarization to accelerate wound healing. Colloids and Surfaces B: Biointerfaces, 2021, 208, 112071.	5.0	5
45	Biocompatible magnetic hydroxyapatite Fe <sub>3</sub> O <sub>4</sub> -HAp nanocomposites for T1-magnetic resonance imaging guided photothermal therapy of breast cancer. Materials Today Communications, 2022, 31, 103734.	1.9	5
46	The sodium hyaluronate microspheres fabricated by solution drying for transcatheter arterial embolization. Journal of Materials Chemistry B, 2022, 10, 4105-4114.	5.8	3
47	Effects of pH and initial Ca <sup>2+</sup> /H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> concentration on fibroin mineralization. Frontiers of Materials Science in China, 2007, 1, 258-262.	0.5	2
48	A novel method to prepare mineralized fibroin fiber. Frontiers of Materials Science in China, 2007, 1, 243-246.	0.5	0