

Jixi Zhang

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72
papers

2,666
citations

27
h-index

50
g-index

76
ext. papers

3,184
ext. citations

7.7
avg, IF

5.45
L-index

#	Paper	IF	Citations
72	Hollow mesoporous silica nanoparticles facilitated drug delivery via cascade pH stimuli in tumor microenvironment for tumor therapy. <i>Biomaterials</i> , 2016 , 83, 51-65	15.6	198
71	Near-Infrared Light-Triggered Nitric-Oxide-Enhanced Photodynamic Therapy and Low-Temperature Photothermal Therapy for Biofilm Elimination. <i>ACS Nano</i> , 2020 , 14, 3546-3562	16.7	164
70	The packaging of siRNA within the mesoporous structure of silica nanoparticles. <i>Biomaterials</i> , 2011 , 32, 9546-56	15.6	158
69	Tumor acidity activating multifunctional nanoplatform for NIR-mediated multiple enhanced photodynamic and photothermal tumor therapy. <i>Biomaterials</i> , 2018 , 157, 107-124	15.6	155
68	Synthesis and characterization of pore size-tunable magnetic mesoporous silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2011 , 361, 16-24	9.3	134
67	Mesoporous polydopamine nanoparticles with co-delivery function for overcoming multidrug resistance via synergistic chemo-photothermal therapy. <i>Nanoscale</i> , 2017 , 9, 8781-8790	7.7	126
66	Remote eradication of biofilm on titanium implant via near-infrared light triggered photothermal/photodynamic therapy strategy. <i>Biomaterials</i> , 2019 , 223, 119479	15.6	119
65	Adsorption and desorption behaviors of DNA with magnetic mesoporous silica nanoparticles. <i>Langmuir</i> , 2011 , 27, 6099-106	4	113
64	Nanoscale Polydopamine (PDA) Meets π -Interactions: An Interface-Directed Coassembly Approach for Mesoporous Nanoparticles. <i>Langmuir</i> , 2016 , 32, 12119-12128	4	102
63	Polydopamine Coatings in Confined Nanopore Space: Toward Improved Retention and Release of Hydrophilic Cargo. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 24512-24521	3.8	84
62	Mesoporous silica nanoparticles in tissue engineering--a perspective. <i>Nanomedicine</i> , 2016 , 11, 391-402	5.6	67
61	Mesoporous silica nanoparticles with redox-responsive surface linkers for charge-reversible loading and release of short oligonucleotides. <i>Dalton Transactions</i> , 2014 , 43, 4115-26	4.3	65
60	Large-pore mesoporous silica-coated magnetite core-shell nanocomposites and their relevance for biomedical applications. <i>Microporous and Mesoporous Materials</i> , 2011 , 145, 14-20	5.3	65
59	Study on the adsorption mechanism of DNA with mesoporous silica nanoparticles in aqueous solution. <i>Langmuir</i> , 2012 , 28, 2827-34	4	59
58	Core-shell designs of photoluminescent nanodiamonds with porous silica coatings for bioimaging and drug delivery I: fabrication. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2358-2366	7.3	58
57	Magnetic mesoporous silica nanospheres as DNA/drug carrier. <i>Materials Letters</i> , 2012 , 67, 379-382	3.3	56
56	Delivering hydrophilic and hydrophobic chemotherapeutics simultaneously by magnetic mesoporous silica nanoparticles to inhibit cancer cells. <i>International Journal of Nanomedicine</i> , 2012 , 7, 999-1013	7.3	56

55	Temporally Controlled Photothermal/Photodynamic and Combined Therapy for Overcoming Multidrug Resistance of Cancer by Polydopamine Nanoclustered Micelles. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13945-13953	9.5	54
54	Fabrication of a novel polymer-free nanostructured drug-eluting coating for cardiovascular stents. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10337-45	9.5	52
53	Dissolution from inside: a unique degradation behaviour of core-shell magnetic mesoporous silica nanoparticles and the effect of polyethyleneimine coating. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22005		50
52	Magnetic field enhanced cell uptake efficiency of magnetic silica mesoporous nanoparticles. <i>Nanoscale</i> , 2012 , 4, 3415-21	7.7	50
51	CaP coated mesoporous polydopamine nanoparticles with responsive membrane permeation ability for combined photothermal and siRNA therapy. <i>Acta Biomaterialia</i> , 2019 , 86, 416-428	10.8	45
50	Silica-assisted incorporation of polydopamine into the framework of porous nanocarriers by a facile one-pot synthesis. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 2435-2443	7.3	40
49	Hybrid Mesoporous-Microporous Nanocarriers for Overcoming Multidrug Resistance by Sequential Drug Delivery. <i>Molecular Pharmaceutics</i> , 2018 , 15, 2503-2512	5.6	39
48	Stimuli-responsive hybrid nanocarriers developed by controllable integration of hyperbranched PEI with mesoporous silica nanoparticles for sustained intracellular siRNA delivery. <i>International Journal of Nanomedicine</i> , 2016 , 11, 6591-6608	7.3	38
47	Targeted thrombolysis by using of magnetic mesoporous silica nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2012 , 8, 624-32	4	36
46	Tethered Lipid Bilayer Gates: Toward Extended Retention of Hydrophilic Cargo in Porous Nanocarriers. <i>Advanced Functional Materials</i> , 2014 , 24, 2352-2360	15.6	33
45	Structural complementarity from DNA for directing two-dimensional polydopamine nanomaterials with biomedical applications. <i>Nanoscale Horizons</i> , 2019 , 4, 652-657	10.8	25
44	Hierarchically stimuli-responsive nanovectors for improved tumor penetration and programmed tumor therapy. <i>Nanoscale</i> , 2018 , 10, 13737-13750	7.7	24
43	Lipid Bilayer-Gated Mesoporous Silica Nanocarriers for Tumor-Targeted Delivery of Zoledronic Acid in Vivo. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3218-3227	5.6	21
42	Molecular confinement in fluorescent magnetic mesoporous silica nanoparticles: effect of pore size on multifunctionality. <i>ChemPhysChem</i> , 2012 , 13, 2016-9	3.2	20
41	Fluorescent miRNA analysis enhanced by mesopore effects of polydopamine nanoquenchers. <i>Analyst</i> , 2017 , 142, 2796-2804	5	18
40	Comparison of Polydopamine-Coated Mesoporous Silica Nanorods and Spheres for the Delivery of Hydrophilic and Hydrophobic Anticancer Drugs. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	18
39	NIR light-activated dual-modality cancer therapy mediated by photochemical internalization of porous nanocarriers with tethered lipid bilayers. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 8289-8298	7.3	17
38	Long-Lasting Reactive Oxygen Species Generation by Porous Redox Mediator-Potentiated Nanoreactor for Effective Tumor Therapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2008573	15.6	16

37	One-pot synthesis of pore-expanded hollow mesoporous silica particles. <i>Materials Letters</i> , 2015 , 143, 140-143	3.3	15
36	Selective Enrichment of Polydopamine in Mesoporous Nanocarriers for Nuclear-Targeted Drug Delivery. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800011	3.1	14
35	FRET-reporter nanoparticles to monitor redox-induced intracellular delivery of active compounds. <i>RSC Advances</i> , 2014 , 4, 16429-16437	3.7	14
34	Combination of magnetic field and surface functionalization for reaching synergistic effects in cellular labeling by magnetic core-shell nanospheres. <i>Biomaterials Science</i> , 2014 , 2, 1750-1760	7.4	14
33	Interface-Hybridization-Enhanced Photothermal Performance of Polypyrrole/Polydopamine Heterojunctions on Porous Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900263	4.8	13
32	Oxidation-induced surface deposition of tannic acid: towards molecular gates on porous nanocarriers for acid-responsive drug delivery. <i>RSC Advances</i> , 2016 , 6, 76473-76481	3.7	13
31	Semiconducting polymer encapsulated mesoporous silica particles with conjugated Europium complexes: toward enhanced luminescence under aqueous conditions. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19064-74	9.5	12
30	Engineering of a Core-Shell Nanoplatform to Overcome Multidrug Resistance via ATP Deprivation. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000432	10.1	12
29	Intervention of Polydopamine Assembly and Adhesion on Nanoscale Interfaces: State-of-the-Art Designs and Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2002138	10.1	12
28	Hexagonal polypyrrole nanosheets from interface driven heterogeneous hybridization and self-assembly for photothermal cancer treatment. <i>Chemical Communications</i> , 2019 , 55, 4359-4362	5.8	11
27	FeOOH/Polypyrrole Nanocomposites with an Islands-in-Sea Structure toward Combined Photothermal/Chemodynamic Therapy.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2708-2714	4.1	11
26	Interfacially active polydopamine for nanoparticle stabilized nanocapsules in a one-pot assembly strategy toward efficient drug delivery. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1754-1763	7.3	10
25	Modulation of the structural properties of mesoporous silica nanoparticles to enhance the T-weighted MR imaging capability. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1720-1732	7.3	10
24	NAD ⁺ -carrying mesoporous silica nanoparticles can prevent oxidative stress-induced energy failures of both rodent astrocytes and PC12 cells. <i>PLoS ONE</i> , 2013 , 8, e74100	3.7	10
23	Integration of polymers in the pore space of mesoporous nanocarriers for drug delivery. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 8891-8903	7.3	9
22	Flower-Like Nanozymes with Large Accessibility of Single Atom Catalysis Sites for ROS Generation Boosted Tumor Therapy. <i>Advanced Functional Materials</i> , 2111171	15.6	8
21	Towards magnetic-enhanced cellular uptake, MRI and chemotherapeutics delivery by magnetic mesoporous silica nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 7709-15	1.3	7
20	Stable photoluminescence of lanthanide complexes in aqueous media through Metal-Organic Frameworks Nanoparticles with plugged surface. <i>Journal of Colloid and Interface Science</i> , 2018 , 527, 68-77	7.3	7

19	Janus nanoparticles with asymmetrically subcompartmentalized sensing and amplification modules toward fluorescence detection of microRNA. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128438	8.5	6
18	Core-shell metal-organic frameworks and hierarchical host-guest structures toward water-stable luminescence of lanthanide complexes in encoding beads. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11117-11118	7.1	6
17	Polydopamine Nanosheets Doped Injectable Hydrogel with Nitric Oxide Release and Photothermal Effects for Bacterial Ablation and Wound Healing. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101476	10.1	6
16	Factors Affecting Intracellular Delivery and Release of Hydrophilic Versus Hydrophobic Cargo from Mesoporous Silica Nanoparticles on 2D and 3D Cell Cultures. <i>Pharmaceutics</i> , 2018 , 10,	6.4	6
15	A Bioinspired Hemostatic Powder Derived from the Skin Secretion of <i>Andrias davidianus</i> for Rapid Hemostasis and Intraoral Wound Healing. <i>Small</i> , 2021 , e2101699	11	5
14	Hybrid mesoporous nanoparticles with highly integrated polydopamine for pH-responsive membrane permeation and drug delivery. <i>Colloids and Interface Science Communications</i> , 2021 , 41, 1003854	5.4	5
13	Mitochondrial Metabolism Targeted NanoplatforM for Efficient Triple-Negative Breast Cancer Combination Therapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100978	10.1	5
12	Interfacial Engineering of Hybrid Polydopamine/Polypyrrole Nanosheets with Narrow Band Gaps for Fluorescence Sensing of MicroRNA. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42183-42194	9.5	5
11	Chemical and photonic interactions and between fluorescent tracer and nanoparticle-based scavenger for enhanced molecular imaging. <i>Materials Today Bio</i> , 2019 , 2, 100010	9.9	4
10	Novel, fast-processed crystalline and amorphous manganese oxide nanoparticles for stem cell labeling. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 640-648	6.8	4
9	Hybrid mesoporous nanorods with deeply grooved lateral faces toward cytosolic drug delivery. <i>Biomaterials Science</i> , 2019 , 7, 5301-5311	7.4	4
8	Redox Host-Guest Nanosensors Installed with DNA Gatekeepers for Immobilization-Free and Ratiometric Electrochemical Detection of miRNA.. <i>Small Methods</i> , 2021 , 5, e2101072	12.8	4
7	Preparation of cell pattern on titanium substrates based on upconversion nanoparticles. <i>Materials Letters</i> , 2017 , 209, 392-395	3.3	3
6	Exo/endogenous factors co-activatable nanodevice for spatiotemporally controlled miRNA imaging and guided tumor ablation. <i>Nano Research</i> , 1	10	3
5	Molecular and nanoscale engineering of porous silica particles for drug delivery 2020 , 395-419		2
4	Supramolecular semiquinone radicals confined with DNazymes for dissipative ROS generation and therapy. <i>Nano Today</i> , 2022 , 43, 101402	17.9	2
3	Stromal interaction molecule 1 (STIM1) knock down attenuates invasion and proliferation and enhances the expression of thyroid-specific proteins in human follicular thyroid cancer cells. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 5827-5846	10.3	2
2	Terbium complexes encapsulated in hierarchically organized hybrid MOF particles toward stable luminescence in aqueous media. <i>CrystEngComm</i> , 2018 , 20, 4225-4229	3.3	1

- 1 Interfacially responsive electron transfer and matter conversion by polydopamine-mediated nanoplatforms for advancing disease theranostics.. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2022**, e1805

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