

Siling Wang

List of Publications by Year in descending order

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99
papers

5,940
citations

66343

42
h-index

76900

74
g-index

103
all docs

103
docs citations

103
times ranked

7230
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer-Cell-Biomimetic Nanoparticles for Targeted Therapy of Homotypic Tumors. <i>Advanced Materials</i> , 2016, 28, 9581-9588.	21.0	458
2	Tumor Microenvironment-Activatable Prodrug Vesicles for Nanoenabled Cancer Chemoimmunotherapy Combining Immunogenic Cell Death Induction and CD47 Blockade. <i>Advanced Materials</i> , 2019, 31, e1805888.	21.0	374
3	Spherical mesoporous silica nanoparticles for loading and release of the poorly water-soluble drug telmisartan. <i>Journal of Controlled Release</i> , 2010, 145, 257-263.	9.9	366
4	Cancer Cell Membrane-Coated Gold Nanocages with Hyperthermia-Triggered Drug Release and Homotypic Target Inhibit Growth and Metastasis of Breast Cancer. <i>Advanced Functional Materials</i> , 2017, 27, 1604300.	14.9	281
5	pH- and NIR Light-Responsive Micelles with Hyperthermia-Triggered Tumor Penetration and Cytoplasm Drug Release to Reverse Doxorubicin Resistance in Breast Cancer. <i>Advanced Functional Materials</i> , 2015, 25, 2489-2500.	14.9	218
6	Dual-stimuli responsive hyaluronic acid-conjugated mesoporous silica for targeted delivery to CD44-overexpressing cancer cells. <i>Acta Biomaterialia</i> , 2015, 23, 147-156.	8.3	196
7	Mesoporous Silica Nanoparticles for Increasing the Oral Bioavailability and Permeation of Poorly Water Soluble Drugs. <i>Molecular Pharmaceutics</i> , 2012, 9, 505-513.	4.6	173
8	A comparison between sphere and rod nanoparticles regarding their in vivo biological behavior and pharmacokinetics. <i>Scientific Reports</i> , 2017, 7, 4131.	3.3	168
9	Polydopamine-coated mesoporous silica nanoparticles for multi-responsive drug delivery and combined chemo-photothermal therapy. <i>Materials Science and Engineering C</i> , 2019, 105, 110103.	7.3	138
10	Mesoporous carbon nanomaterials in drug delivery and biomedical application. <i>Drug Delivery</i> , 2017, 24, 94-107.	5.7	130
11	Hyaluronic Acid Oligosaccharide Modified Redox-Responsive Mesoporous Silica Nanoparticles for Targeted Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20290-20299.	8.0	129
12	Cisplatin Prodrug-Conjugated Gold Nanocluster for Fluorescence Imaging and Targeted Therapy of the Breast Cancer. <i>Theranostics</i> , 2016, 6, 679-687.	10.0	112
13	Redox and pH dual-responsive PEG and chitosan-conjugated hollow mesoporous silica for controlled drug release. <i>Materials Science and Engineering C</i> , 2016, 67, 26-33.	7.3	108
14	Hybrid Lipid-Capped Mesoporous Silica for Stimuli-Responsive Drug Release and Overcoming Multidrug Resistance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3342-3351.	8.0	104
15	Hyaluronic acid and carbon dots-gated hollow mesoporous silica for redox and enzyme-triggered targeted drug delivery and bioimaging. <i>Materials Science and Engineering C</i> , 2017, 78, 475-484.	7.3	99
16	Novel Chitosan-Functionalized Spherical Nanosilica Matrix As an Oral Sustained Drug Delivery System for Poorly Water-Soluble Drug Carvedilol. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 103-113.	8.0	93
17	Bioinspired lipoproteins-mediated photothermia remodels tumor stroma to improve cancer cell accessibility of second nanoparticles. <i>Nature Communications</i> , 2019, 10, 3322.	12.8	91
18	Advances in smart mesoporous carbon nanoplatfoms for photothermal-enhanced synergistic cancer therapy. <i>Chemical Engineering Journal</i> , 2022, 435, 134886.	12.7	90

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19	Recent trends of mesoporous silica-based nanoplatfoms for nanodynamic therapies. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214687.	18.8	89
20	Gold nanoparticle-gated mesoporous silica as redox-triggered drug delivery for chemo-photothermal synergistic therapy. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 323-331.	9.4	82
21	Programmed Multiresponsive Vesicles for Enhanced Tumor Penetration and Combination Therapy of Triple-Negative Breast Cancer. <i>Advanced Functional Materials</i> , 2017, 27, 1606530.	14.9	80
22	Current trends in smart mesoporous silica-based nanovehicles for photoactivated cancer therapy. <i>Journal of Controlled Release</i> , 2021, 339, 445-472.	9.9	78
23	Inclusion of telmisartan in mesocellular foam nanoparticles: Drug loading and release property. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 17-23.	4.3	75
24	Fluorescent carbon dot modified mesoporous silica nanocarriers for redox-responsive controlled drug delivery and bioimaging. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 343-352.	9.4	73
25	Theranostic Prodrug Vesicles for Reactive Oxygen Species-Triggered Ultrafast Drug Release and Local/Regional Therapy of Metastatic Triple-Negative Breast Cancer. <i>Advanced Functional Materials</i> , 2017, 27, 1703674.	14.9	73
26	Enhanced Oral Delivery of Paclitaxel Using Acetylcysteine Functionalized Chitosan-Vitamin E Succinate Nanomicelles Based on a Mucus Bioadhesion and Penetration Mechanism. <i>Molecular Pharmaceutics</i> , 2013, 10, 3447-3458.	4.6	72
27	Thermosensitive Lipid Bilayer-Coated Mesoporous Carbon Nanoparticles for Synergistic Thermochemotherapy of Tumor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19386-19397.	8.0	61
28	Zwitterion-functionalized mesoporous silica nanoparticles for enhancing oral delivery of protein drugs by overcoming multiple gastrointestinal barriers. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 364-375.	9.4	61
29	Multilayer encapsulated mesoporous silica nanospheres as an oral sustained drug delivery system for the poorly water-soluble drug felodipine. <i>Materials Science and Engineering C</i> , 2015, 47, 313-324.	7.3	59
30	Mesoporous carbon as a novel drug carrier of fenofibrate for enhancement of the dissolution and oral bioavailability. <i>International Journal of Pharmaceutics</i> , 2013, 452, 382-389.	5.2	57
31	Incorporation of indomethacin nanoparticles into 3-D ordered macroporous silica for enhanced dissolution and reduced gastric irritancy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 544-551.	4.3	56
32	PEGylated mesoporous silica as a redox-responsive drug delivery system for loading thiol-containing drugs. <i>International Journal of Pharmaceutics</i> , 2014, 477, 613-622.	5.2	53
33	Hollow mesoporous silica as a high drug loading carrier for regulation insoluble drug release. <i>International Journal of Pharmaceutics</i> , 2016, 510, 184-194.	5.2	53
34	Facile synthesis of the lipid bilayer coated mesoporous silica nanocomposites and their application in drug delivery. <i>Microporous and Mesoporous Materials</i> , 2016, 219, 209-218.	4.4	53
35	Preparation and evaluation of anti-neuroexcitation peptide (ANEP) loaded N-trimethyl chitosan chloride nanoparticles for brain-targeting. <i>International Journal of Pharmaceutics</i> , 2010, 386, 249-255.	5.2	52
36	Triple stimuli-responsive ZnO quantum dots-conjugated hollow mesoporous carbon nanoplatfom for NIR-induced dual model antitumor therapy. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 51-64.	9.4	52

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37	Multi-stimuli responsive mesoporous silica-coated carbon nanoparticles for chemo-photothermal therapy of tumor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110941.	5.0	52
38	Effects of surface modification and size on oral drug delivery of mesoporous silica formulation. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 736-747.	9.4	50
39	Overcoming multiple gastrointestinal barriers by bilayer modified hollow mesoporous silica nanocarriers. <i>Acta Biomaterialia</i> , 2018, 65, 405-416.	8.3	47
40	Mesoporous carbon-manganese nanocomposite for multiple imaging guided oxygen-elevated synergetic therapy. <i>Journal of Controlled Release</i> , 2020, 319, 104-118.	9.9	47
41	Multi-stimuli responsive nanosystem modified by tumor-targeted carbon dots for chemophototherapy synergistic therapy. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 639-650.	9.4	45
42	Gold nanoparticles modified hollow carbon system for dual-responsive release and chemo-photothermal synergistic therapy of tumor. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 239-249.	9.4	42
43	Versatile hybrid polyethyleneimine-mesoporous carbon nanoparticles for targeted delivery. <i>Carbon</i> , 2014, 79, 123-134.	10.3	40
44	Folate-polyethyleneimine functionalized mesoporous carbon nanoparticles for enhancing oral bioavailability of paclitaxel. <i>International Journal of Pharmaceutics</i> , 2015, 484, 207-217.	5.2	40
45	Polyion complex micelles composed of pegylated polyasparthydrazide derivatives for siRNA delivery to the brain. <i>Journal of Colloid and Interface Science</i> , 2015, 447, 8-15.	9.4	39
46	Hollow mesoporous carbon as a near-infrared absorbing carrier compared with mesoporous carbon nanoparticles for chemo-photothermal therapy. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 159-169.	9.4	39
47	Chylomicron-pretended nano-bio self-assembling vehicle to promote lymphatic transport and GALTs target of oral drugs. <i>Biomaterials</i> , 2019, 188, 173-186.	11.4	39
48	Fluorescent carbon dot-gated multifunctional mesoporous silica nanocarriers for redox/enzyme dual-responsive targeted and controlled drug delivery and real-time bioimaging. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 117, 105-115.	4.3	37
49	Biomimetic smart mesoporous carbon nanozyme as a dual-GSH depletion agent and O ₂ generator for enhanced photodynamic therapy. <i>Acta Biomaterialia</i> , 2022, 148, 310-322.	8.3	36
50	A biomimetic nanocomposite made of a ginger-derived exosome and an inorganic framework for high-performance delivery of oral antibodies. <i>Nanoscale</i> , 2021, 13, 20157-20169.	5.6	35
51	Size effect on oral absorption in polymer-functionalized mesoporous carbon nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 57-66.	9.4	34
52	Development of novel mesoporous nanomatrix-supported lipid bilayers for oral sustained delivery of the water-insoluble drug, lovastatin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 77-85.	5.0	33
53	Polydopamine-carbon dots functionalized hollow carbon nanoplatfrom for fluorescence-imaging and photothermal-enhanced thermochemotherapy. <i>Materials Science and Engineering C</i> , 2021, 122, 111908.	7.3	31
54	Mechanism study on pH-responsive cyclodextrin capped mesoporous silica: effect of different stalk densities and the type of cyclodextrin. <i>Nanotechnology</i> , 2015, 26, 165704.	2.6	29

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55	Poly(acrylic acid) conjugated hollow mesoporous carbon as a dual-stimuli triggered drug delivery system for chemo-photothermal synergistic therapy. <i>Materials Science and Engineering C</i> , 2017, 71, 594-603.	7.3	29
56	Targeting peptide-decorated biomimetic lipoproteins improve deep penetration and cancer cells accessibility in solid tumor. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 529-545.	12.0	29
57	A versatile gas-generator promoting drug release and oxygen replenishment for amplifying photodynamic-chemotherapy synergetic anti-tumor effects. <i>Biomaterials</i> , 2021, 276, 120985.	11.4	28
58	Redox and pH dual-responsive mesoporous silica nanoparticles for site-specific drug delivery. <i>Applied Surface Science</i> , 2015, 356, 1282-1288.	6.1	27
59	Bioavailability and anticataract effects of a topical ocular drug delivery system containing disulfiram and hydroxypropyl-beta-cyclodextrin on selenite-treated rats. <i>Current Eye Research</i> , 2004, 29, 51-58.	1.5	26
60	Inhibition of Breast Cancer Metastasis by Pluronic Copolymers with Moderate Hydrophilic/Lipophilic Balance. <i>Molecular Pharmaceutics</i> , 2015, 12, 3323-3331.	4.6	26
61	"Gate"-engineered mesoporous silica nanoparticles for a double inhibition of drug efflux and particle exocytosis to enhance antitumor activity. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 380-391.	9.4	25
62	An ocular drug delivery system containing zinc diethyldithiocarbamate and HP β CD inclusion complex - corneal permeability, anti-cataract effects and mechanism studies. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 56, 1251-1257.	2.4	23
63	Fluorescent carbon dot gated hollow mesoporous carbon for chemo-photothermal synergistic therapy. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 410-420.	9.4	23
64	Multi-stimuli responsive mesoporous carbon nano-platform gated by human serum albumin for cancer thermo-chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110532.	5.0	23
65	Polymer-functionalized mesoporous carbon nanoparticles on overcoming multiple barriers and improving oral bioavailability of Probucol. <i>Carbohydrate Polymers</i> , 2020, 229, 115508.	10.2	23
66	Octa-arginine modified lipid emulsions as a potential ocular delivery system for disulfiram: A study of the corneal permeation, transcorneal mechanism and anti-cataract effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 305-314.	5.0	22
67	Mesoporous carbon with spherical pores as a carrier for celecoxib with needle-like crystallinity: Improve dissolution rate and bioavailability. <i>Materials Science and Engineering C</i> , 2014, 39, 13-20.	7.3	21
68	Poly dimethyl diallyl ammonium coated CMK-5 for sustained oral drug release. <i>International Journal of Pharmaceutics</i> , 2014, 461, 171-180.	5.2	21
69	The advantage of hollow mesoporous carbon as a near-infrared absorbing drug carrier in chemo-photothermal therapy compared with IR-820. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 99, 66-74.	4.0	21
70	Mesoporous Carbon Nanoparticles as Multi-functional Carriers for Cancer Therapy Compared with Mesoporous Silica Nanoparticles. <i>AAPS PharmSciTech</i> , 2020, 21, 42.	3.3	19
71	Three dimensional mesoporous carbon nanospheres as carriers for chemo-photothermal therapy compared with two dimensional graphene oxide nanosheets. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 590, 124498.	4.7	19
72	Bioinspired Lipoproteins of Furoxans "Oxaliplatin Remodel Physical Barriers in Tumor to Potentiate T α Cell Infiltration. <i>Advanced Materials</i> , 2022, 34, e2110614.	21.0	19

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73	Approaches and materials for endocytosis-independent intracellular delivery of proteins. <i>Biomaterials</i> , 2022, 286, 121567.	11.4	19
74	M2 macrophage microvesicle-inspired nanovehicles improve accessibility to cancer cells and cancer stem cells in tumors. <i>Journal of Nanobiotechnology</i> , 2021, 19, 397.	9.1	17
75	Development of synthetic high-density lipoprotein-based ApoA-I mimetic peptide-loaded docetaxel as a drug delivery nanocarrier for breast cancer chemotherapy. <i>Drug Delivery</i> , 2019, 26, 708-716.	5.7	16
76	Protective properties of mesocellular silica foams against aggregation and enzymatic hydrolysis of loaded proteins for oral protein delivery. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 690-700.	9.4	16
77	Development of a novel starch-derived porous silica monolith for enhancing the dissolution rate of poorly water soluble drug. <i>Materials Science and Engineering C</i> , 2012, 32, 201-206.	7.3	15
78	Improved dissolution and oral absorption by co-grinding active drug probucol and ternary stabilizers mixtures with planetary beads-milling method. <i>Asian Journal of Pharmaceutical Sciences</i> , 2019, 14, 649-657.	9.1	15
79	A Eu ³⁺ /Gd ³⁺ -EDTA-doped structurally controllable hollow mesoporous carbon for improving the oral bioavailability of insoluble drugs and in vivo tracing. <i>Nanotechnology</i> , 2016, 27, 315101.	2.6	14
80	MSNCs and MgO-MSNCs as drug delivery systems to control the adsorption kinetics and release rate of indometacin. <i>Asian Journal of Pharmaceutical Sciences</i> , 2019, 14, 275-286.	9.1	14
81	Photo-responsive prodrug nanoparticles for efficient cytoplasmic delivery and synergistic photodynamic-chemotherapy of metastatic triple-negative breast cancer. <i>Acta Biomaterialia</i> , 2021, 126, 421-432.	8.3	14
82	A geometric pore adsorption model for predicting the drug loading capacity of insoluble drugs in mesoporous carbon. <i>International Journal of Pharmaceutics</i> , 2015, 485, 25-30.	5.2	13
83	A novel nanogel delivery of poly- β -L-glutamic acid-polyaspartic acid by reverse microemulsion and its redox-responsive release of 5-Fluorouridine. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016, 11, 735-743.	9.1	13
84	Dissecting extracellular and intracellular distribution of nanoparticles and their contribution to therapeutic response by monochromatic ratiometric imaging. <i>Nature Communications</i> , 2022, 13, 2004.	12.8	13
85	Investigation of 3-D ordered materials with a high adsorption capacity for BSA and their potential application as an oral vaccine adjuvant. <i>Journal of Colloid and Interface Science</i> , 2014, 434, 113-121.	9.4	12
86	A mutually beneficial macrophages-mediated delivery system realizing photo/immune therapy. <i>Journal of Controlled Release</i> , 2022, 347, 14-26.	9.9	11
87	Magnetic mesoporous silica nanoparticles mediated redox and pH dual-responsive target drug delivery for combined magnetothermal therapy and chemotherapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129359.	4.7	11
88	Composite phospholipid-coated hollow mesoporous silica nanoplateform with multi-stimuli responsiveness for combined chemo-photothermal therapy. <i>Journal of Materials Science</i> , 2020, 55, 5230-5246.	3.7	10
89	Freeze-dried liposomes as potential carriers for ocular administration of cytochrome c against selenite cataract formation. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 1171-1178.	2.4	9
90	Investigation of 3D ordered macroporous carbon with different polymer coatings and their application as an oral vaccine carrier. <i>International Journal of Pharmaceutics</i> , 2015, 487, 234-241.	5.2	9

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91	Gold nanoparticles gated mesoporous carbon with optimal particle size for photothermal-enhanced thermochemotherapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125212.	4.7	9
92	Apo ferritin nanocages loading mertansine enable effective irradiation of cancer stem-like cells in vitro. <i>International Journal of Pharmaceutics</i> , 2018, 553, 201-209.	5.2	8
93	Designed construction of tween 60@2 ¹² -CD self-assembly vesicles as drug delivery carrier for cancer chemotherapy. <i>Drug Delivery</i> , 2018, 25, 623-631.	5.7	7
94	Thiolated polymer and Cell-Penetrating Peptide dual-surface functionalization of mesoporous silicon nanoparticles to overcome intestinal barriers. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101184.	3.0	7
95	Au Catalyzing Control Release NO in vivo and Tumor Growth-Inhibiting Effect in Chemo-Photothermal Combination Therapy. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 2501-2513.	6.7	7
96	TPGS and cypate gated mesoporous carbon for enhanced thermochemotherapy of tumor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 591, 124544.	4.7	5
97	Succinylated casein functionalized mesoporous silica nanoplatfoms to overcome multiple gastrointestinal barriers. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102068.	3.0	2
98	Permeability and Anticataract Effects of a Topical Ocular Drug Delivery System of Disulfiram. , 2008, , .		1
99	Cancer Therapy: Programmed Multiresponsive Vesicles for Enhanced Tumor Penetration and Combination Therapy of Tripleâ€Negative Breast Cancer (<i>Adv. Funct. Mater.</i> 20/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	0