

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	Bioinspired Lipoproteins of Furoxansâ€™Oxaliplatin Remodel Physical Barriers in Tumor to Potentiate Tâ€™Cell Infiltration. <i>Advanced Materials</i> , 2022, 34, e2110614.	21.0	19
2	Advances in smart mesoporous carbon nanoplatforms for photothermalâ€™enhanced synergistic cancer therapy. <i>Chemical Engineering Journal</i> , 2022, 435, 134886.	12.7	90
3	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
4	Approaches and materials for endocytosis-independent intracellular delivery of proteins. <i>Biomaterials</i> , 2022, 286, 121567.	11.4	19
5	A mutually beneficial macrophages-mediated delivery system realizing photo/immune therapy. <i>Journal of Controlled Release</i> , 2022, 347, 14-26.	9.9	11
6	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
7	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
8	Recent trends of mesoporous silica-based nanoplatforms for nanodynamic therapies. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214687.	18.8	89
9	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
10	Polydopamine-carbon dots functionalized hollow carbon nanoplatform for fluorescence-imaging and photothermal-enhanced thermochemotherapy. <i>Materials Science and Engineering C</i> , 2021, 122, 111908.	7.3	31
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Triple stimuli-responsive ZnO quantum dots-conjugated hollow mesoporous carbon nanoplatform 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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19	Polymer-functionalized mesoporous carbon nanoparticles on overcoming multiple barriers and improving oral bioavailability of Probuco. Carbohydrate Polymers, 2020, 229, 115508.	10.2	23
20	Protective properties of mesocellular silica foams against aggregation and enzymatic hydrolysis of loaded proteins for oral protein delivery. Journal of Colloid and Interface Science, 2020, 560, 690-700.	9.4	16
21	Mesoporous carbon-manganese nanocomposite for multiple imaging guided oxygen-elevated synergetic therapy. Journal of Controlled Release, 2020, 319, 104-118.	9.9	47
22	Mesoporous Carbon Nanoparticles as Multi-functional Carriers for Cancer Therapy Compared with Mesoporous Silica Nanoparticles. AAPS PharmSciTech, 2020, 21, 42.	3.3	19
23	Gold nanoparticles gated mesoporous carbon with optimal particle size for photothermal-enhanced thermochemotherapy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125212.	4.7	9
24	Succinylated casein functionalized mesoporous silica nanoplatfoms to overcome multiple gastrointestinal barriers. Journal of Drug Delivery Science and Technology, 2020, 60, 102068.	3.0	2
25	Multi-stimuli responsive mesoporous silica-coated carbon nanoparticles for chemo-photothermal therapy of tumor. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110941.	5.0	52
26	TPGS and cypate gated mesoporous carbon for enhanced thermochemotherapy of tumor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 591, 124544.	4.7	5
27	Composite phospholipid-coated hollow mesoporous silica nanoplatfom with multi-stimuli responsiveness for combined chemo-photothermal therapy. Journal of Materials Science, 2020, 55, 5230-5246.	3.7	10
28	Three dimensional mesoporous carbon nanospheres as carriers for chemo-photothermal therapy compared with two dimensional graphene oxide nanosheets. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 590, 124498.	4.7	19
29	Gold nanoparticles modified hollow carbon system for dual-responsive release and chemo-photothermal synergistic therapy of tumor. Journal of Colloid and Interface Science, 2019, 554, 239-249.	9.4	42
30	Development of synthetic high-density lipoprotein-based ApoA-I mimetic peptide-loaded docetaxel as a drug delivery nanocarrier for breast cancer chemotherapy. Drug Delivery, 2019, 26, 708-716.	5.7	16
31	Bioinspired lipoproteins-mediated photothermia remodels tumor stroma to improve cancer cell accessibility of second nanoparticles. Nature Communications, 2019, 10, 3322.	12.8	91
32	Thiolated polymer and Cell-Penetrating Peptide dual-surface functionalization of mesoporous silicon nanoparticles to overcome intestinal barriers. Journal of Drug Delivery Science and Technology, 2019, 53, 101184.	3.0	7
33	Polydopamine-coated mesoporous silica nanoparticles for multi-responsive drug delivery and combined chemo-photothermal therapy. Materials Science and Engineering C, 2019, 105, 110103.	7.3	138
34	Multi-stimuli responsive mesoporous carbon nano-platfom gated by human serum albumin for cancer thermo-chemotherapy. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110532.	5.0	23
35	Multi-stimuli responsive nanosystem modified by tumor-targeted carbon dots for chemophototherapy synergistic therapy. Journal of Colloid and Interface Science, 2019, 552, 639-650.	9.4	45
36	Improved dissolution and oral absorption by co-grinding active drug probuocol and ternary stabilizers mixtures with planetary beads-milling method. Asian Journal of Pharmaceutical Sciences, 2019, 14, 649-657.	9.1	15

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37	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
38	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
39	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
40	"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
41	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
42	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
43	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
44	Overcoming multiple gastrointestinal barriers by bilayer modified hollow mesoporous silica nanocarriers. <i>Acta Biomaterialia</i> , 2018, 65, 405-416.	8.3	47
45	Apo ferritin nanocages loading mertansine enable effective eradication of cancer stem-like cells in vitro. <i>International Journal of Pharmaceutics</i> , 2018, 553, 201-209.	5.2	8
46	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
47	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
48	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
49	Cancer Therapy: Programmed Multiresponsive Vesicles for Enhanced Tumor Penetration and Combination Therapy of Triple-Negative Breast Cancer (Adv. Funct. Mater. 20/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	0
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	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
58	Mesoporous carbon nanomaterials in drug delivery and biomedical application. <i>Drug Delivery</i> , 2017, 24, 94-107.	5.7	130
59	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
60	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
61	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
62	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
63	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
64	A novel nanogel delivery of poly- β - β -polyasparthydrazide 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
65	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
66	Cancer-Cell-Biomimetic Nanoparticles for Targeted Therapy of Homotypic Tumors. <i>Advanced Materials</i> , 2016, 28, 9581-9588.	21.0	458
67	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
68	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
69	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
70	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
71	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
72	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

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73	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
74	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
75	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
76	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
77	Inhibition of Breast Cancer Metastasis by Pluronic Copolymers with Moderate Hydrophilic-Lipophilic Balance. <i>Molecular Pharmaceutics</i> , 2015, 12, 3323-3331.	4.6	26
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	Versatile hybrid polyethyleneimine-mesoporous carbon nanoparticles for targeted delivery. <i>Carbon</i> , 2014, 79, 123-134.	10.3	40
86	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
87	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
88	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
89	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
90	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

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91	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
92	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
93	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
94	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
95	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
96	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
97	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
98	Permeability and Anticataract Effects of a Topical Ocular Drug Delivery System of Disulfiram. , 2008, , .		1
99	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