

Shengrong Guo

List of Publications by Year in descending order

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57
papers

2,014
citations

201385

27
h-index

243296

44
g-index

57
all docs

57
docs citations

57
times ranked

3371
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of quaternised chitosan-loaded PMMA to inhibit biofilm formation and downregulate the virulence-associated gene expression of antibiotic-resistant staphylococcus. <i>Biomaterials</i> , 2012, 33, 365-377.	5.7	200
2	pH and near-infrared light dual-stimuli responsive drug delivery using DNA-conjugated gold nanorods for effective treatment of multidrug resistant cancer cells. <i>Journal of Controlled Release</i> , 2016, 232, 9-19.	4.8	119
3	A new NIR-triggered doxorubicin and photosensitizer indocyanine green co-delivery system for enhanced multidrug resistant cancer treatment through simultaneous chemo/photothermal/photodynamic therapy. <i>Acta Biomaterialia</i> , 2017, 59, 170-180.	4.1	88
4	In vitro and in vivo evaluation of praziquantel loaded implants based on PEG/PCL blends. <i>International Journal of Pharmaceutics</i> , 2010, 387, 129-138.	2.6	70
5	5-Fluorouracil-loaded multilayered films for drug controlled releasing stent application: Drug release, microstructure, and ex vivo permeation behaviors. <i>Journal of Controlled Release</i> , 2010, 146, 45-53.	4.8	68
6	A multifunctional poly(curcumin) nanomedicine for dual-modal targeted delivery, intracellular responsive release, dual-drug treatment and imaging of multidrug resistant cancer cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2954-2962.	2.9	66
7	Tumor-specific disintegratable nanohybrids containing ultrasmall inorganic nanoparticles: from design and improved properties to cancer applications. <i>Materials Horizons</i> , 2018, 5, 184-205.	6.4	65
8	Paclitaxel or 5-fluorouracil/esophageal stent combinations as a novel approach for the treatment of esophageal cancer. <i>Biomaterials</i> , 2015, 53, 592-599.	5.7	64
9	Efficient, dual-stimuli responsive cytosolic gene delivery using a RGD modified disulfide-linked polyethylenimine functionalized gold nanorod. <i>Journal of Controlled Release</i> , 2014, 196, 37-51.	4.8	57
10	Characterization and in vitro release of praziquantel from poly(ϵ -caprolactone) implants. <i>International Journal of Pharmaceutics</i> , 2009, 377, 112-119.	2.6	56
11	Evaluation of antibacterial activity of N-phosphonium chitosan as a novel polymeric antibacterial agent. <i>International Journal of Biological Macromolecules</i> , 2014, 67, 163-171.	3.6	56
12	Near-infrared triggered co-delivery of doxorubicin and quercetin by using gold nanocages with tetradecanol to maximize anti-tumor effects on MCF-7/ADR cells. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 47-57.	5.0	56
13	A type of esophageal stent coating composed of one 5-fluorouracil-containing EVA layer and one drug-free protective layer: In vitro release, permeation and mechanical properties. <i>Journal of Controlled Release</i> , 2007, 118, 318-324.	4.8	55
14	Improved antibacterial properties of collagen I/hyaluronic acid/quaternized chitosan multilayer modified titanium coatings with both contact-killing and release-killing functions. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1951-1961.	2.9	54
15	Insight on the changes of cassava and potato starch granules during gelatinization. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 37-43.	3.6	53
16	Efficient RNA delivery by integrin-targeted glutathione responsive polyethyleneimine capped gold nanorods. <i>Acta Biomaterialia</i> , 2015, 23, 136-146.	4.1	50
17	A nanoparticulate pre-chemosensitizer for efficacious chemotherapy of multidrug resistant breast cancer. <i>Scientific Reports</i> , 2016, 6, 21459.	1.6	50
18	A PTX/nitinol stent combination with temperature-responsive phase-change 1-hexadecanol for magnetocaloric drug delivery: Magnetocaloric drug release and esophagus tissue penetration. <i>Biomaterials</i> , 2018, 153, 49-58.	5.7	49

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19	Novel water soluble phosphonium chitosan derivatives: Synthesis, characterization and cytotoxicity studies. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 375-380.	3.6	41
20	Preparation, characterization and properties of partially hydrolyzed ethylene vinyl acetate copolymer films for controlled drug release. <i>International Journal of Pharmaceutics</i> , 2010, 400, 66-73.	2.6	36
21	pH, redox and photothermal tri-responsive DNA/polyethylenimine conjugated gold nanorods as nanocarriers for specific intracellular co-release of doxorubicin and chemosensitizer pyronaridine to combat multidrug resistant cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1785-1795.	1.7	35
22	Surface chemical study on the covalent attachment of hydroxypropyltrimethyl ammonium chloride chitosan to titanium surfaces. <i>Applied Surface Science</i> , 2011, 257, 10520-10528.	3.1	34
23	Self-assembled micelles of amphiphilic PEGylated rapamycin for loading paclitaxel and resisting multidrug resistant cancer cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1204-1207.	2.9	34
24	Intracellularly Degradable, Self-Assembled Amphiphilic Block Copolycurcumin Nanoparticles for Efficient In Vivo Cancer Chemotherapy. <i>Advanced Healthcare Materials</i> , 2015, 4, 1496-1501.	3.9	32
25	Nitinol stents loaded with a high dose of antitumor 5-fluorouracil or paclitaxel: esophageal tissue responses in a porcine model. <i>Gastrointestinal Endoscopy</i> , 2015, 82, 153-160.e1.	0.5	29
26	Nanodiamond mediated co-delivery of doxorubicin and malaridine to maximize synergistic anti-tumor effects on multi-drug resistant MCF-7/ADR cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3531-3540.	2.9	29
27	Synthesis and preliminary cellular evaluation of phosphonium chitosan derivatives as novel non-viral vector. <i>Carbohydrate Polymers</i> , 2013, 97, 676-683.	5.1	28
28	Glutathione detoxicated and pH responsive nano-clusters of Au nanorods with a high dose of DOX for treatment of multidrug resistant cancer. <i>Acta Biomaterialia</i> , 2018, 75, 334-345.	4.1	28
29	3D printing and coating to fabricate a hollow bullet-shaped implant with porous surface for controlled cytoxin release. <i>International Journal of Pharmaceutics</i> , 2018, 552, 91-98.	2.6	26
30	Moisture sorption and desorption properties of gelatin, HPMC and pullulan hard capsules. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 659-666.	3.6	26
31	Effects of implant diameter, drug loading and end-capping on praziquantel release from PCL implants. <i>International Journal of Pharmaceutics</i> , 2010, 386, 23-29.	2.6	25
32	Photothermal gold nanocages filled with temperature sensitive tetradecanol and encapsulated with glutathione responsive polycurcumin for controlled DOX delivery to maximize anti-MDR tumor effects. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5464-5472.	2.9	25
33	NIR-triggered release of DOX from sophorolipid-coated mesoporous carbon nanoparticles with the phase-change material 1-tetradecanol to treat MCF-7/ADR cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 974-985.	2.9	22
34	Effects of κ -carrageenan on pullulan's rheological and texture properties as well as pullulan hard capsule performances. <i>Carbohydrate Polymers</i> , 2020, 238, 116190.	5.1	22
35	Preparation and <i>In Vitro</i> Evaluation of Novel Poly(anhydride-ester)-Based Amphiphilic Copolymer Curcumin-Loaded Micelles. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 324-335.	0.5	21
36	Enhancing Curcumin Anticancer Efficacy Through Di-Block Copolymer Micelle Encapsulation. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 179-193.	0.5	20

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37	Quaternised chitosan coating on titanium provides a self-protective surface that prevents bacterial colonisation and implant-associated infections. <i>RSC Advances</i> , 2015, 5, 54304-54311.	1.7	19
38	Preparation and evaluation of pH -responsive charge-convertible ternary complex FA-PEI-CCA/PEI/DNA with low cytotoxicity and efficient gene delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 58-67.	2.5	19
39	Preparation and evaluation of copolymeric micelles with high paclitaxel contents and sustained drug release. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 429, 12-18.	2.3	18
40	A chemo/photo- co-therapeutic system for enhanced multidrug resistant cancer treatment using multifunctional mesoporous carbon nanoparticles coated with poly (curcumin-dithiodipropionic) Tj ETQq0 0 0 rgBT5/0verlock180 Tf 50 6		
41	NIR-light and GSH activated cytosolic p65-shRNA delivery for precise treatment of metastatic cancer. <i>Journal of Controlled Release</i> , 2018, 288, 126-135.	4.8	18
42	Angiopep-2 modified PEGylated 2-methoxyestradiol micelles to treat the PC12 cells with oxygen-glucose deprivation/reoxygenation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 638-646.	2.5	14
43	Tailor-made ternary nanopolyplexes of thiolated trimethylated chitosan with pDNA and folate conjugated cis-aconitic amide-polyethylenimine for efficient gene delivery. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 948-956.	3.6	13
44	Rheological behaviors and texture properties of semi-interpenetrating networks of hydroxypropyl methylcellulose and gellan. <i>Food Hydrocolloids</i> , 2022, 122, 107097.	5.6	13
45	A cochlear implant loaded with dexamethasone and coated with hyaluronic acid to inhibit fibroblast adhesion and proliferation. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 46, 173-181.	1.4	11
46	Controlled synthesis of monodisperse gold nanorods with different aspect ratios in the presence of aromatic additives. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	10
47	Rational design of multimodal therapeutic nanosystems for effective inhibition of tumor growth and metastasis. <i>Acta Biomaterialia</i> , 2018, 77, 240-254.	4.1	10
48	PEGylated Doxorubicin Micelles Loaded with Curcumin Exerting Synergic Effects on Multidrug Resistant Tumor Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2873-2880.	0.9	9
49	Incorporation of paclitaxel solid dispersions with poloxamer188 or polyethylene glycol to tune drug release from poly(ϵ -caprolactone) films. <i>Drug Development and Industrial Pharmacy</i> , 2013, 39, 1187-1196.	0.9	8
50	Co-delivery systems of paclitaxel prodrug for targeted synergistic therapy of breast cancer. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 69, 103157.	1.4	8
51	Self-assembly of biotinylated poly(ethylene glycol)-poly(curcumin) for paclitaxel delivery. <i>International Journal of Pharmaceutics</i> , 2018, 553, 510-521.	2.6	7
52	Self-Assembled Micelles of Amphiphilic PEGylated Drugs for Cancer Treatment. <i>Current Drug Targets</i> , 2021, 22, 870-881.	1.0	7
53	The gelling behavior of gellan in the presence of different sodium salts. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 768-777.	3.6	7
54	A stent film of paclitaxel presenting extreme accumulation of paclitaxel in tumor tissue and excellent antitumor efficacy after implantation beneath the subcutaneous tumor xenograft in mice. <i>International Journal of Pharmaceutics</i> , 2018, 553, 29-36.	2.6	6

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55	Investigation of Migration-Preventing Tracheal Stent with High Dose of 5-Fluorouracil or Paclitaxel for Local Drug Delivery. ACS Applied Bio Materials, 2018, 1, 1328-1336.	2.3	5
56	Precise ratiometric co-loading, co-delivery and intracellular co-release of paclitaxel and curcumin by aid of their conjugation to the same gold nanorods to exert synergistic effects on MCF-7/ADR cells. Journal of Drug Delivery Science and Technology, 2019, 54, 101383.	1.4	4
57	Preparation, characterization and primary evaluation of trilayered biliary stent films for anti-cholangiocarcinoma and anti-biofilm formation. International Journal of Pharmaceutics, 2021, 606, 120869.	2.6	1