Shi-Wen Huang

List of Publications by Year
in descending order

56	1,937	218677	254184
papers	citations	26 h-index	43 g-index

59	59	59	2951
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cellular uptake, intracellular trafficking, and antitumor efficacy of doxorubicin-loaded reduction-sensitive micelles. Biomaterials, 2013, 34, 3858-3869.	11.4	158
2	Temperature-Sensitive Poly(N-isopropylacrylamide) Hydrogels with Macroporous Structure and Fast Response Rate. Macromolecular Rapid Communications, 2003, 24, 447-451.	3.9	105
3	In Vitro Gene Delivery Using Polyamidoamine Dendrimers with a Trimesyl Coreâ€. Biomacromolecules, 2005, 6, 341-350.	5.4	103
4	Gadolinium-chelate functionalized bismuth nanotheranostic agent for inÂvivo MRI/CT/PAI imaging-guided photothermal cancer therapy. Biomaterials, 2018, 159, 37-47.	11.4	94
5	Water-Soluble and Nonionic Polyphosphoester:Â Synthesis, Degradation, Biocompatibility and Enhancement of Gene Expression in Mouse Muscle. Biomacromolecules, 2004, 5, 306-311.	5.4	78
6	Preparation and properties of poly(N -isopropylacrylamide)/poly(N -isopropylacrylamide) interpenetrating polymer networks for drug delivery. Journal of Polymer Science Part A, 2004, 42, 1249-1254.	2.3	71
7	Tunable Film Degradation and Sustained Release of Plasmid DNA from Cleavable Polycation/Plasmid DNA Multilayers under Reductive Conditions. Small, 2007, 3, 636-643.	10.0	59
8	Folate-containing reduction-sensitive lipidâ€“polymer hybrid nanoparticles for targeted delivery of doxorubicin. Biomaterials Science, 2015, 3, 655-664.	5.4	59
9	Poly(N-isopropylacrylamide) Nanoparticle-Incorporated PNIPAAm Hydrogels with Fast Shrinking Kinetics. Macromolecular Rapid Communications, 2005, 26, 1346-1350.	3.9	57
10	Preparation of temperatureâ€sensitive poly(Nâ€isopropylacrylamide)/Î²â€cyclodextrinâ€grafted polyethylenimine hydrogels for drug delivery. Journal of Applied Polymer Science, 2008, 108, 3031-3037.	2.6	55
11	Dendrimer modified magnetic iron oxide nanoparticle/DNA/PEI ternary magnetoplexes: a novel strategy for magnetofection. Journal of Materials Chemistry, 2011, 21, 13306.	6.7	54
12	Fluorinated polymeric micelles to overcome hypoxia and enhance photodynamic cancer therapy. Biomaterials Science, 2018, 6, 3096-3107.	5.4	53
13	Redox-triggered activation of nanocarriers for mitochondria-targeting cancer chemotherapy. Nanoscale, 2017, 9, 17044-17053.	5.6	52
14	Codelivery of doxorubicin and triptolide with reduction-sensitive lipid–polymer hybrid nanoparticles for in vitro and in vivo synergistic cancer treatment. International Journal of Nanomedicine, 2017, Volume 12, 1853-1862.	6.7	52
15	Novel temperature-sensitive, ?-cyclodextrin-incorporated poly(N-isopropylacrylamide) hydrogels for slow release of drug. Colloid and Polymer Science, 2005, 283, 461-464.	2.1	50
16	Preparation and Characterization of Novel Temperature Sensitive Poly(N-isopropylacrylamide-co-acryloyl beta-cyclodextrin) Hydrogels with Fast Shrinking Kinetics. Macromolecular Chemistry and Physics, 2004, 205, 107-113.	2.2	46
17	Effect of side-chain structures on gene transfer efficiency of biodegradable cationic polyphosphoesters. International Journal of Pharmaceutics, 2003, 265, 75-84.	5.2	44
18	Improving Gene Delivery Efficiency of Bioreducible Poly(amidoamine)s via Grafting with Dendritic Poly(amidoamine)s. Macromolecular Bioscience, 2010, 10, 404-414.	4.1	43

#	Article	IF	Citations
19	Recent Advances in Polyphosphoester and Polyphosphoramidate-Based Biomaterials. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 340-348.	1.6	42
20	Folic acid-conjugated iron oxide porous nanorods loaded with doxorubicin for targeted drug delivery. Colloids and Surfaces B: Biointerfaces, 2014, 120, 142-151.	5.0	38
21	Tumor acidity activated triphenylphosphonium-based mitochondrial targeting nanocarriers for overcoming drug resistance of cancer therapy. Theranostics, 2019, 9, 7033-7050.	10.0	38
22	Cytotoxicity and in vivo tissue compatibility of poly(amidoamine) with pendant aminobutyl group as a gene delivery vector. Biomaterials, 2010, 31, 4467-4476.	11.4	36
23	Transfection and intracellular trafficking characteristics for poly(amidoamine)s with pendant primary amine in the delivery of plasmid DNA to bone marrow stromal cells. Biomaterials, 2009, 30, 5825-5833.	11.4	30
24	Selenylsulfide Bond-Launched Reduction-Responsive Superparamagnetic Nanogel Combined of Acid-Responsiveness for Achievement of Efficient Therapy with Low Side Effect. ACS Applied Materials & Interfaces, 2017, 9, 30253-30257.	8.0	30
25	Dendrimer modified magnetic iron oxide nanoparticle/dna/pei ternary complexes: A novel strategy for magnetofection. Journal of Controlled Release, 2011, 152, e159-e160.	9.9	29
26	Reduction-sensitive micelles with sheddable PEG shells self-assembled from a Y-shaped amphiphilic polymer for intracellular doxorubicine release. Colloids and Surfaces B: Biointerfaces, 2015, 129, 137-145.	5.0	28
27	Near-infrared light-triggered theranostics for tumor-specific enhanced multimodal imaging and photothermal therapy. International Journal of Nanomedicine, 2017, Volume 12, 4467-4478.	6.7	28
28	Sub-20 nm nontoxic aggregation-induced emission micellar fluorescent light-up probe for highly specific and sensitive mitochondrial imaging of hydrogen sulfide. Polymer Chemistry, 2015, 6, 5185-5189.	3.9	26
29	Two-component reduction-sensitive lipidâ€“polymer hybrid nanoparticles for triggered drug release and enhanced in vitro and in vivo anti-tumor efficacy. Biomaterials Science, 2017, 5, 98-110.	5.4	26
30	Turn-on fluorescent probe-encapsulated micelle as colloidally stable nano-chemosensor for highly selective detection of Al3+ in aqueous solution and living cell imaging. Sensors and Actuators B: Chemical, 2018, 271, 225-238.	7.8	26
31	Reduction-active Fe3O4-loaded micelles with aggregation- enhanced MRI contrast for differential diagnosis of Neroglioma. Biomaterials, 2021, 268, 120531.	11.4	26
32	Polyaspartamide-Based Oligo-ethylenimine Brushes with High Buffer Capacity and Low Cytotoxicity for Highly Efficient Gene Delivery. Bioconjugate Chemistry, 2009, 20, 440-446.	3.6	24
33	Novel Poly(amidoamine)s with Pendant Primary Amines as Highly Efficient Gene Delivery Vectors. Macromolecular Bioscience, 2010, 10, 384-392.	4.1	23
34	Poly(<scp>L</scp>â€aspartamide)â€<scp>B</scp>ased Reductionâ€<scp>S</scp>ensitive Micelles as Nanocarriers to Improve Doxorubicin Content in Cell Nuclei and to Enhance Antitumor Activity. Macromolecular Bioscience, 2013, 13, 1036-1047.	4.1	21
35	Synergetic enhancement of antitumor efficacy with charge-reversal and reduction-sensitive polymer micelles. Polymer Chemistry, 2016, 7, 5113-5122.	3.9	21
36	An Oxidationâ€Enhanced Magnetic Resonance Imaging Probe for Visual and Specific Detection of Singlet Oxygen Generated in Photodynamic Cancer Therapy In Vivo. Advanced Healthcare Materials, 2020, 9, e2000533.	7.6	21

#	Article	IF	Citations
37	Dual-step irradiation strategy to sequentially destroy singlet oxygen-responsive polymeric micelles and boost photodynamic cancer therapy. Biomaterials, 2021, 275, 120959.	11.4	19
38	Synthesis, Characterization and In Vitro Cytotoxicity of Poly[(5-benzyloxy-trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (ca	2.2	18
39	One-pot preparation of polyethylenimine-silica nanoparticles as serum-resistant gene delivery vectors: Intracellular trafficking and transfection. Journal of Materials Chemistry, 2011, 21, 10496.	6.7	18
40	Effect of Poly(ethylene glycol) (PEG) Surface Density on the Fate and Antitumor Efficacy of Redox-Sensitive Hybrid Nanoparticles. ACS Biomaterials Science and Engineering, 2020, 6, 3975-3983.	5.2	16
41	A novel solâ€“gel strategy to prepare temperature-sensitive hydrogel for encapsulation of protein. Colloid and Polymer Science, 2005, 284, 209-213.	2.1	15
42	Poly(amidoamine)s with pendant primary amines and flexible backbone for enhanced nonviral gene delivery: Transfection and intracellular trafficking. Journal of Biomedical Materials Research - Part A, 2012, 100A, 872-881.	4.0	15
43	Aggregation-Induced Emission (AIE) Polymeric Micelles for Imaging-Guided Photodynamic Cancer Therapy. Nanomaterials, 2018, 8, 921.	4.1	15
44	The effectiveness, cytotoxicity, and intracellular trafficking of nonviral vectors for gene delivery to bone mesenchymal stem cells. Journal of Bioactive and Compatible Polymers, 2013, 28, 204-217.	2.1	12
45	MRI-guided targeting delivery of doxorubicin with reduction-responsive lipid-polymer hybrid nanoparticles. International Journal of Nanomedicine, 2017, Volume 12, 6871-6882.	6.7	12
46	Highly efficient loading of amorphous paclitaxel in mesoporous hematite nanorods and their in vitro antitumor activity. Journal of Materials Chemistry B, 2013, 1, 1687.	5.8	10
47	Biotinylated and fluorophore-incorporated polymeric mixed micelles for tumor cell-specific turn-on fluorescence imaging of Al³⁺. Journal of Materials Chemistry B, 2020, 8, 3557-3565.	5.8	8
48	Biocleavable Polycationic Micelles as Highly Efficient Gene Delivery Vectors. Nanoscale Research Letters, 2010, 5, 1804-1811.	5.7	7
49	Doxorubicin-conjugated magnetic iron oxide nanoparticles for pH-sensitive and magnetic responsive drug delivery. Journal of Controlled Release, 2015, 213, e67.	9.9	5
50	Synthesis and in vitro Property Study of Polyaspartamides. Chinese Journal of Chemistry, 2007, 25, 1748-1753.	4.9	4
51	Lipidâ€“polymer hybrid nanoparticles for the delivery of gemcitabine. Journal of Controlled Release, 2015, 213, e128-e129.	9.9	4
52	Anionic long circulating liposomes for hepatic targeted delivery of cisplatin. Journal of Controlled Release, 2015, 213, e72.	9.9	4
53	Co-delivery of doxorubicin and amphiphilic derivative of Gd-DTPA with lipidâ€“polymer hybrid nanoparticles for simultaneous imaging and targeted therapy of cancer. Journal of Controlled Release, 2015, 213, e13-e14.	9.9	3
54	Bioreducible polycationic micelles for in vitro gene delivery. Journal of Controlled Release, 2011, 152, e177-e179.	9.9	2

#	Article	IF	Citations
55	Insertion of Dichlorocarbene into Cï£¿B Bond of Borinates under Liquidâ€Liquid Phase Transfer Catalysis Conditions: A Convenient Preparation of Unsymmetrical Ketones. Chinese Journal of Chemistry, 2001, 19, 202-204.	4.9	1
56	Lipid-polymer hybrid nanoparticles with aggregation-induced emission (AIE) characteristic for imaging-guided drug delivery. Journal of Controlled Release, 2017, 259, e15.	9.9	0