

Han-jie Wang

List of Publications by Citations

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112
papers

3,057
citations

31
h-index

50
g-index

127
ext. papers

3,572
ext. citations

8.3
avg, IF

5.12
L-index

#	Paper	IF	Citations
112	Folate-PEG coated cationic modified chitosan--cholesterol liposomes for tumor-targeted drug delivery. <i>Biomaterials</i> , 2010 , 31, 4129-38	15.6	201
111	Size-Tuning Ionization To Optimize Gold Nanoparticles for Simultaneous Enhanced CT Imaging and Radiotherapy. <i>ACS Nano</i> , 2016 , 10, 2536-48	16.7	193
110	PLGA/polymeric liposome for targeted drug and gene co-delivery. <i>Biomaterials</i> , 2010 , 31, 8741-8	15.6	167
109	Paclitaxel loaded folic acid targeted nanoparticles of mixed lipid-shell and polymer-core: in vitro and in vivo evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 248-56	5.7	113
108	Tat-BMPs-PAMAM conjugates enhance therapeutic effect of small interference RNA on U251 glioma cells in vitro and in vivo. <i>Human Gene Therapy</i> , 2010 , 21, 417-26	4.8	82
107	Characterization of novel multifunctional cationic polymeric liposomes formed from octadecyl quaternized carboxymethyl chitosan/cholesterol and drug encapsulation. <i>Langmuir</i> , 2008 , 24, 7147-53	4	75
106	PEGlated magnetic polymeric liposome anchored with TAT for delivery of drugs across the blood-spinal cord barrier. <i>Biomaterials</i> , 2010 , 31, 6589-96	15.6	72
105	Near-Infrared Light Triggered Upconversion Optogenetic Nanosystem for Cancer Therapy. <i>ACS Nano</i> , 2017 , 11, 11898-11907	16.7	69
104	Self-assembled biodegradable protein-polymer vesicle as a tumor-targeted nanocarrier. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2393-400	9.5	67
103	Enhanced Fluorescence ELISA Based on HAT Triggering Fluorescence "Turn-on" with Enzyme-Antibody Dual Labeled AuNP Probes for Ultrasensitive Detection of AFP and HBsAg. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9369-9377	9.5	63
102	Smart pH- and reduction-dual-responsive folate-PEG-coated polymeric lipid vesicles for tumor-triggered targeted drug delivery. <i>Nanoscale</i> , 2014 , 6, 7635-42	7.7	57
101	Construction of a novel cationic polymeric liposomes formed from PEGlated octadecyl-quaternized lysine modified chitosan/cholesterol for enhancing storage stability and cellular uptake efficiency. <i>Biotechnology and Bioengineering</i> , 2010 , 106, 952-62	4.9	57
100	pH- and reduction-responsive polymeric lipid vesicles for enhanced tumor cellular internalization and triggered drug release. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 10706-13	9.5	56
99	Paclitaxel-loaded, folic-acid-targeted and TAT-peptide-conjugated polymeric liposomes: in vitro and in vivo evaluation. <i>Pharmaceutical Research</i> , 2010 , 27, 1914-26	4.5	55
98	MC540 and upconverting nanocrystal coloaded polymeric liposome for near-infrared light-triggered photodynamic therapy and cell fluorescent imaging. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3219-25	9.5	54
97	Preparation and evaluation of lidocaine hydrochloride-loaded TAT-conjugated polymeric liposomes for transdermal delivery. <i>International Journal of Pharmaceutics</i> , 2013 , 441, 748-56	6.5	54
96	Polymeric liposomes-coated superparamagnetic iron oxide nanoparticles as contrast agent for targeted magnetic resonance imaging of cancer cells. <i>Langmuir</i> , 2011 , 27, 3100-5	4	51

95	Materials and Techniques for Implantable Nutrient Sensing Using Flexible Sensors Integrated with Metal-Organic Frameworks. <i>Advanced Materials</i> , 2018 , 30, e1800917	24	49
94	Human HSP70 Promoter-Based Prussian Blue Nanotheranostics for Thermo-Controlled Gene Therapy and Synergistic Photothermal Ablation. <i>Advanced Functional Materials</i> , 2018 , 28, 1802026	15.6	47
93	Folate-targeting magnetic core-shell nanocarriers for selective drug release and imaging. <i>International Journal of Pharmaceutics</i> , 2012 , 430, 342-9	6.5	47
92	pH- and NIR light responsive nanocarriers for combination treatment of chemotherapy and photodynamic therapy. <i>Biomaterials Science</i> , 2016 , 4, 338-45	7.4	46
91	Smart pH-responsive upconversion nanoparticles for enhanced tumor cellular internalization and near-infrared light-triggered photodynamic therapy. <i>Chemical Communications</i> , 2015 , 51, 406-8	5.8	45
90	A Protein-Polymer Bioconjugate-Coated Upconversion Nanosystem for Simultaneous Tumor Cell Imaging, Photodynamic Therapy, and Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32688-32698	9.5	45
89	PEG/RGD-modified magnetic polymeric liposomes for controlled drug release and tumor cell targeting. <i>International Journal of Pharmaceutics</i> , 2012 , 426, 170-181	6.5	41
88	Nanoparticle-based diagnostic and therapeutic systems for brain tumors. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4734-4750	7.3	40
87	Reverse Fluorescence Enhancement and Colorimetric Bimodal Signal Readout Immunochromatography Test Strip for Ultrasensitive Large-Scale Screening and Postoperative Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22963-70	9.5	38
86	Facile Construction of Near Infrared Fluorescence Nanoprobe with Amphiphilic Protein-Polymer Bioconjugate for Targeted Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18997-9005	9.5	37
85	Persistent Luminescent Nanocarrier as an Accurate Tracker in Vivo for Near Infrared-Remote Selectively Triggered Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21603-11	9.5	37
84	Multifunctional Nanoparticles Composed of A Poly(dl-lactide-coglycolide) Core and A Paramagnetic Liposome Shell for Simultaneous Magnetic Resonance Imaging and Targeted Therapeutics. <i>Advanced Functional Materials</i> , 2011 , 21, 1179-1186	15.6	35
83	Repair effect of diabetic ulcers with recombinant human epidermal growth factor loaded by sustained-release microspheres. <i>Science in China Series C: Life Sciences</i> , 2008 , 51, 1039-44		35
82	A smartphone-based quantitative detection platform of mycotoxins based on multiple-color upconversion nanoparticles. <i>Nanoscale</i> , 2018 , 10, 15865-15874	7.7	34
81	Origami NdFeB Flexible Magnetic Membranes with Enhanced Magnetism and Programmable Sequences of Polarities. <i>Advanced Functional Materials</i> , 2019 , 29, 1904977	15.6	31
80	Fluorescence quenching-based signal amplification on immunochromatography test strips for dual-mode sensing of two biomarkers of breast cancer. <i>Nanoscale</i> , 2017 , 9, 18711-18722	7.7	31
79	NIR-Remote Selected Activation Gene Expression in Living Cells by Upconverting Microrods. <i>Advanced Materials</i> , 2016 , 28, 707-14	24	31
78	Smart multifunctional core-shell nanospheres with drug and gene co-loaded for enhancing the therapeutic effect in a rat intracranial tumor model. <i>Nanoscale</i> , 2012 , 4, 6501-8	7.7	30

77	A synergistic cancer immunotherapy nano-system for preventing tumor growth. <i>Chemical Engineering Journal</i> , 2020 , 380, 122472	14.7	26
76	Targeted delivery of tungsten oxide nanoparticles for multifunctional anti-tumor therapy via macrophages. <i>Biomaterials Science</i> , 2018 , 6, 1379-1389	7.4	24
75	Synthesis, Structure and Properties of Novel Quaternized Carboxymethyl Chitosan with Drug Loading Capacity. <i>Acta Physico-chimica Sinica</i> , 2008 , 24, 223-229		24
74	Multifunctional Microspheres Encoded with Upconverting Nanocrystals and Magnetic Nanoparticles for Rapid Separation and Immunoassays. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 745-53	9.5	23
73	Lipid coated upconverting nanoparticles as NIR remote controlled transducer for simultaneous photodynamic therapy and cell imaging. <i>International Journal of Pharmaceutics</i> , 2014 , 466, 307-13	6.5	23
72	A UCN@mSiO@cross-linked lipid with high steric stability as a NIR remote controlled-release nanocarrier for photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3531-3540	7.3	23
71	A Highly Photostable Hyperbranched Polyglycerol-Based NIR Fluorescence Nanoplatform for Mitochondria-Specific Cell Imaging. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2214-26	10.1	23
70	pHe-induced charge-reversible NIR fluorescence nanoprobe for tumor-specific imaging. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7566-75	9.5	22
69	Multifunctional reduction-responsive SPIO&DOX-loaded PEGylated polymeric lipid vesicles for magnetic resonance imaging-guided drug delivery. <i>Nanotechnology</i> , 2016 , 27, 165101	3.4	22
68	Flow cytometric immunoassay for aflatoxin B1 using magnetic microspheres encoded with upconverting fluorescent nanocrystals. <i>Mikrochimica Acta</i> , 2017 , 184, 1471-1479	5.8	21
67	Near-Infrared Light-Excited Upconverting Persistent Nanophosphors in Vivo for Imaging-Guided Cell Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19514-19522	9.5	21
66	A novel Cu-metal-organic framework with two-dimensional layered topology for electrochemical detection using flexible sensors. <i>Nanotechnology</i> , 2019 , 30, 424002	3.4	20
65	Construction of near infrared light triggered nanodumbbell for cancer photodynamic therapy. <i>Journal of Colloid and Interface Science</i> , 2017 , 494, 363-372	9.3	19
64	Development of an efficient transdermal drug delivery system with TAT-conjugated cationic polymeric lipid vesicles. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 877-884	7.3	19
63	Novel quaternized chitosan and polymeric micelles with cross-linked ionic cores for prolonged release of minocycline. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009 , 20, 115-31	3.5	19
62	An NIR-responsive mesoporous silica nanosystem for synergetic photothermal-immunoenhancement therapy of hepatocellular carcinoma. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 251-259	7.3	19
61	Near-infrared light remotely up-regulate autophagy with spatiotemporal precision via upconversion optogenetic nanosystem. <i>Biomaterials</i> , 2019 , 199, 22-31	15.6	18
60	Construction of novel brain-targeting gene delivery system by natural magnetic nanoparticles. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 3446-3454	2.9	18

59	Biocompatible surfactin-stabilized superparamagnetic iron oxide nanoparticles as contrast agents for magnetic resonance imaging. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 370, 1-5	5.1	18
58	Preparation, characterization, and antitumor activity of paclitaxel-loaded folic acid modified and TAT peptide conjugated PEGylated polymeric liposomes. <i>Journal of Drug Targeting</i> , 2011 , 19, 373-81	5.4	17
57	Controlled co-release of doxorubicin and reactive oxygen species for synergistic therapy by NIR remote-triggered nanoimpellers. <i>Materials Science and Engineering C</i> , 2017 , 74, 94-102	8.3	16
56	Novel multifunctional polyethylene glycol-transactivating-transduction protein-modified liposomes cross the blood-spinal cord barrier after spinal cord injury. <i>Journal of Drug Targeting</i> , 2010 , 18, 420-9	5.4	16
55	Development of monodispersed and functional magnetic polymeric liposomes via simple liposome method. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 1723-1732	2.3	15
54	A Metal Chelator as a Plasmonic Signal-Generation Superregulator for Ultrasensitive Colorimetric Bioassays of Disease Biomarkers. <i>Advanced Science</i> , 2018 , 5, 1800295	13.6	15
53	Near-infrared persistent luminescence phosphors ZnGaO:Cr as an accurately tracker to photothermal therapy in vivo for visual treatment. <i>Materials Science and Engineering C</i> , 2017 , 79, 372-381	8.3	14
52	Shape Coding Microhydrogel for a Real-Time Mycotoxin Detection System Based on Smartphones. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8584-8590	9.5	14
51	Multifunctional nano-photosensitizer: A carrier-free aggregation-induced emission nanoparticle with efficient photosensitization and pH-responsibility. <i>Chemical Engineering Journal</i> , 2020 , 390, 124447	14.7	14
50	Intelligent Detection Platform for Simultaneous Detection of Multiple MiRNAs Based on Smartphone. <i>ACS Sensors</i> , 2019 , 4, 1873-1880	9.2	14
49	Develop a novel superparamagnetic nano-carrier for drug delivery to brain glioma. <i>Drug Delivery</i> , 2013 , 20, 95-101	7	14
48	A Novel Targeted and High-Efficiency Nanosystem for Combinational Therapy for Alzheimer's Disease. <i>Advanced Science</i> , 2020 , 7, 1902906	13.6	14
47	Construction of ICG encapsulated WO@MSN as a fluorescence carrier for real-time tracked photothermal therapy. <i>Materials Science and Engineering C</i> , 2017 , 80, 102-109	8.3	13
46	Antitumor Effect of I-Labeled Anti-VEGFR2 Targeted Mesoporous Silica Nanoparticles in Anaplastic Thyroid Cancer. <i>Nanoscale Research Letters</i> , 2019 , 14, 96	5	13
45	Background-free upconversion-encoded microspheres for mycotoxin detection based on a rapid visualization method. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 81-91	4.4	13
44	A NIR-remote controlled upconverting nanoparticle: an improved tool for living cell dye-labeling. <i>Nanotechnology</i> , 2015 , 26, 425102	3.4	13
43	Construction of near-infrared light-triggered reactive oxygen species-sensitive (UCN/SiO ₂ -RB + DOX)@PPADT nanoparticles for simultaneous chemotherapy and photodynamic therapy. <i>Nanotechnology</i> , 2016 , 27, 235601	3.4	13
42	Cyanobacteria-Based Bio-Oxygen Pump Promoting Hypoxia-Resistant Photodynamic Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 237	5.8	12

41	An efficient delivery of photosensitizers and hypoxic prodrugs for a tumor combination therapy by membrane camouflage nanoparticles. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2876-2886	7.3	11
40	Synthesis of aqueous AgInS/ZnS@PEI as a self-indicating nonviral vector for plasmid DNA self-tracking delivery. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8518-8527	7.3	10
39	Flexible Electronics and Materials for Synchronized Stimulation and Monitoring in Multi-Encephalic Regions. <i>Advanced Functional Materials</i> , 2020 , 30, 2002644	15.6	10
38	Immune fluorescence test strips based on quantum dots for rapid and quantitative detection of carcino-embryonic antigen. <i>Chinese Chemical Letters</i> , 2017 , 28, 1881-1884	8.1	10
37	Upconverting crystal/dextran-g-DOPE with high fluorescence stability for simultaneous photodynamic therapy and cell imaging. <i>Nanotechnology</i> , 2014 , 25, 155103	3.4	10
36	Astragaloside III Enhances Anti-Tumor Response of NK Cells by Elevating NKG2D and IFN- γ . <i>Frontiers in Pharmacology</i> , 2019 , 10, 898	5.6	9
35	Anhydride-Assisted Spontaneous Room Temperature Sintering of Printed Bioresorbable Electronics. <i>Advanced Functional Materials</i> , 2020 , 30, 1905024	15.6	9
34	A high storage density strategy for digital information based on synthetic DNA. <i>3 Biotech</i> , 2019 , 9, 342	2.8	8
33	Flexible Magnetoelectrical Devices with Intrinsic Magnetism and Electrical Conductivity. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900111	6.4	8
32	A visual guide to gene/optothermal synergy therapy nanosystem using tungsten oxide. <i>Journal of Colloid and Interface Science</i> , 2017 , 506, 460-470	9.3	8
31	Micro- and nano-carrier systems: The non-invasive and painless local administration strategies for disease therapy in mucosal tissues. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 153-171	6	8
30	Engineered NIR light-responsive bacteria as anti-tumor agent for targeted and precise cancer therapy. <i>Chemical Engineering Journal</i> , 2021 , 426, 130842	14.7	8
29	Enabling AIEgens close assembly in tumor-overexpressed protein cluster for boosted image-guided cancer surgery. <i>Science China Chemistry</i> , 2020 , 63, 1694-1702	7.9	7
28	An injectable hydrogel co-loading with cyanobacteria and upconversion nanoparticles for enhanced photodynamic tumor therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 201, 111640	6	7
27	A Multichannel Flexible Optoelectronic Fiber Device for Distributed Implantable Neurological Stimulation and Monitoring. <i>Small</i> , 2021 , 17, e2005925	11	7
26	New approach to treating spinal cord injury using PEG-TAT-modified, cyclosporine-A-loaded PLGA/polymeric liposomes. <i>Journal of Drug Targeting</i> , 2017 , 25, 75-82	5.4	6
25	Application of upconversion luminescent-magnetic microbeads with weak background noise and facile separation in ochratoxin A detection. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	6
24	Horizontal-scanning attenuated total reflection terahertz imaging for biological tissues. <i>Neurophotonics</i> , 2020 , 7, 025005	3.9	6

23	Tumor Exosome Mimicking Nanoparticles for Tumor Combinatorial Chemo-Photothermal Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 1010	5.8	6
22	Optotheranostic Nanosystem with Phone Visual Diagnosis and Optogenetic Microbial Therapy for Ulcerative Colitis At-Home Care. <i>ACS Nano</i> , 2021 , 15, 7040-7052	16.7	6
21	Remote Regulation of Optogenetic Proteins by a Magneto-Luminescence Microdevice. <i>Advanced Functional Materials</i> , 2021 , 31, 2006357	15.6	6
20	A Logic AND-Gated Sonogene Nanosystem for Precisely Regulating the Apoptosis of Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 56692-56700	9.5	5
19	A facile method for high-performance multicolor upconversion microrods for biological encoding. <i>Nanotechnology</i> , 2015 , 26, 455101	3.4	5
18	Rapid, simultaneous detection of mycotoxins with smartphone recognition-based immune microspheres. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 3683-3693	4.4	5
17	Gold nanorods-mediated efficient synergistic immunotherapy for detection and inhibition of postoperative tumor recurrence. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 1978-1992	15.5	5
16	Sonogenetic nanosystem activated mechanosensitive ion channel to induce cell apoptosis for cancer immunotherapy. <i>Chemical Engineering Journal</i> , 2021 , 407, 127173	14.7	5
15	Applications of nanotechnology in virus detection, tracking, and infection mechanisms. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1700	9.2	5
14	NIR light-responsive bacteria with live bio-glue coatings for precise colonization in the gut. <i>Cell Reports</i> , 2021 , 36, 109690	10.6	4
13	Antioxidant and anti-glycated TAT-modified platinum nanoclusters as eye drops for non-invasive and painless relief of diabetic cataract in rats. <i>Chemical Engineering Journal</i> , 2020 , 398, 125436	14.7	3
12	Progress in the Field of Constructing Near-Infrared Light-Responsive Drug Delivery Platforms. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 2111-25	1.3	3
11	Upconversion optogenetic micro-nanosystem optically controls the secretion of light-responsive bacteria for systemic immunity regulation. <i>Communications Biology</i> , 2020 , 3, 561	6.7	3
10	Sensitive detection of Porphyromonas gingivalis based on magnetic capture and upconversion fluorescent identification with multifunctional nanospheres. <i>European Journal of Oral Sciences</i> , 2016 , 124, 334-42	2.3	3
9	Accurate manipulation of optogenetic proteins with wavelength tunable femtosecond laser system. <i>Journal of Applied Physics</i> , 2019 , 125, 163105	2.5	2
8	Inhibition of myeloid differentiation factor 88 signaling mediated by histidine-grafted poly(β-amino ester) ester nanovector induces donor-specific liver allograft tolerance. <i>International Journal of Nanomedicine</i> , 2015 , 10, 4367-82	7.3	2
7	Hydrogel microcapsules containing engineered bacteria for sustained production and release of protein drugs. <i>Biomaterials</i> , 2022 , 121619	15.6	2
6	Effect of mesoporous silica nanoparticles co-loading with 17-AAG and Torin2 on anaplastic thyroid carcinoma by targeting VEGFR2. <i>Oncology Reports</i> , 2020 , 43, 1491-1502	3.5	1

5	CRISPR-dcas9 Optogenetic Nanosystem for the Blue Light-Mediated Treatment of Neovascular Lesions.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2502-2513	4.1	1
4	Spatiotemporal regulation of ubiquitin-mediated protein degradation via upconversion optogenetic nanosystem. <i>Nano Research</i> , 2020 , 13, 3253-3260	10	0
3	"Magnetism-Optogenetic" System for Wireless and Highly Sensitive Neuromodulation. <i>Advanced Healthcare Materials</i> , 2021 , e2102023	10.1	0
2	Intracellular delivery of CII TA genes by polycationic liposomes for suppressed immune response of dendritic cells. <i>RSC Advances</i> , 2015 , 5, 44068-44073	3.7	
1	High-efficient inhibition of recognition in allojection via a pMyD88/liposomes complex. <i>RSC Advances</i> , 2015 , 5, 13107-13111	3.7	