Yiguang Wang

List of Publications by Year
in descending order

60 papers	5,305 citations	109137 35 h-index	114278 63 g-index
65 all docs	65 docs citations	65 times ranked	7494 citing authors

#	Article	IF	Citations
1	A nanoparticle-based strategy for the imaging of a broad range of tumours by nonlinear amplification of microenvironment signals. Nature Materials, 2014, 13, 204-212.	13.3	695
2	Recent progress in drug delivery. Acta Pharmaceutica Sinica B, 2019, 9, 1145-1162.	5.7	529
3	Tunable, Ultrasensitive pHâ€Responsive Nanoparticles Targeting Specific Endocytic Organelles in Living Cells. Angewandte Chemie - International Edition, 2011, 50, 6109-6114.	7.2	488
4	Multicolored pH-Tunable and Activatable Fluorescence Nanoplatform Responsive to Physiologic pH Stimuli. Journal of the American Chemical Society, 2012, 134, 7803-7811.	6.6	312
5	Current Multistage Drug Delivery Systems Based on the Tumor Microenvironment. Theranostics, 2017, 7, 538-558.	4.6	260
6	Ultra-pH-Sensitive Nanoprobe Library with Broad pH Tunability and Fluorescence Emissions. Journal of the American Chemical Society, 2014, 136, 11085-11092.	6.6	241
7	Overcoming Endosomal Barrier by Amphotericin B-Loaded Dual pH-Responsive PDMA-<i>b</i>-PDPA Micelleplexes for siRNA Delivery. ACS Nano, 2011, 5, 9246-9255.	7.3	218
8	A transistor-like pH nanoprobe for tumour detection and image-guided surgery. Nature Biomedical Engineering, 2017, 1, .	11.6	163
9	Redox-Activated Porphyrin-Based Liposome Remote-Loaded with Indoleamine 2,3-Dioxygenase (IDO) Inhibitor for Synergistic Photoimmunotherapy through Induction of Immunogenic Cell Death and Blockage of IDO Pathway. Nano Letters, 2019, 19, 6964-6976.	4.5	131
10	Cooperativity Principles in Self-Assembled Nanomedicine. Chemical Reviews, 2018, 118, 5359-5391.	23.0	129
11	An NQO1 Substrate with Potent Antitumor Activity That Selectively Kills by PARP1-Induced Programmed Necrosis. Cancer Research, 2012, 72, 3038-3047.	0.4	121
12	Multiâ€Chromatic pHâ€Activatable ¹⁹Fâ€MRI Nanoprobes with Binary ON/OFF pH Transitions and Chemicalâ€Shift Barcodes. Angewandte Chemie - International Edition, 2013, 52, 8074-8078.	7.2	106
13	Single-walled carbon-nanohorns improve biocompatibility over nanotubes by triggering less protein-initiated pyroptosis and apoptosis in macrophages. Nature Communications, 2018, 9, 2393.	5.8	93
14	Esterase-activatable Î²-lapachone prodrug micelles for NQO1-targeted lung cancer therapy. Journal of Controlled Release, 2015, 200, 201-211.	4.8	88
15	A pyroptosis nanotuner for cancer therapy. Nature Nanotechnology, 2022, 17, 788-798.	15.6	84
16	A pH-Activatable nanoparticle for dual-stage precisely mitochondria-targeted photodynamic anticancer therapy. Biomaterials, 2019, 213, 119219.	5.7	80
17	NGR-modified micelles enhance their interaction with CD13-overexpressing tumor and endothelial cells. Journal of Controlled Release, 2009, 139, 56-62.	4.8	79
18	Delivery of drugs to cell membranes by encapsulation in PEGâ€“PE micelles. Journal of Controlled Release, 2012, 160, 637-651.	4.8	78

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19	A nanobuffer reporter library for fine-scale imaging and perturbation of endocytic organelles. Nature Communications, 2015, 6, 8524.	5.8	71
20	Materializing sequential killing of tumor vasculature and tumor cells via targeted polymeric micelle system. Journal of Controlled Release, 2011, 149, 299-306.	4.8	70
21	Digitization of Endocytic pH by Hybrid Ultraâ€pHâ€Sensitive Nanoprobes at Singleâ€Organelle Resolution. Advanced Materials, 2017, 29, 1603794.	11.1	69
22	Polymeric micelles for enhanced lymphatic drug delivery to treat metastatic tumors. Journal of Controlled Release, 2013, 171, 133-142.	4.8	60
23	Targeted delivery of a combination therapy consisting of combretastatin A4 and low-dose doxorubicin against tumor neovasculature. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 81-92.	1.7	59
24	Pegylated Phospholipids-Based Self-Assembly with Water-Soluble Drugs. Pharmaceutical Research, 2010, 27, 361-370.	1.7	58
25	Lanthanide-doped upconversion nanoparticles complexed with nano-oxide graphene used for upconversion fluorescence imaging and photothermal therapy. Biomaterials Science, 2018, 6, 877-884.	2.6	58
26	pH/Cathepsin B Hierarchicalâ€Responsive Nanoconjugates for Enhanced Tumor Penetration and Chemoâ€Immunotherapy. Advanced Functional Materials, 2020, 30, 2003757.	7.8	57
27	Localized co-delivery of collagenase and trastuzumab by thermosensitive hydrogels for enhanced antitumor efficacy in human breast xenograft. Drug Delivery, 2018, 25, 1495-1503.	2.5	54
28	Intestinal Mucin Induces More Endocytosis but Less Transcytosis of Nanoparticles across Enterocytes by Triggering Nanoclustering and Strengthening the Retrograde Pathway. ACS Applied Materials & Interfaces, 2018, 10, 11443-11456.	4.0	52
29	Proteomic analysis of intracellular protein corona of nanoparticles elucidates nano-trafficking network and nano-bio interactions. Theranostics, 2020, 10, 1213-1229.	4.6	48
30	Nanoparticle delivery strategies to target doxorubicin to tumor cells and reduce side effects. Therapeutic Delivery, 2010, 1, 273-287.	1.2	46
31	RGD-modified polymeric micelles as potential carriers for targeted delivery to integrin-overexpressing tumor vasculature and tumor cells. Journal of Drug Targeting, 2009, 17, 459-467.	2.1	42
32	Chaotropicâ€Anionâ€Induced Supramolecular Selfâ€Assembly of Ionic Polymeric Micelles. Angewandte Chemie - International Edition, 2014, 53, 8074-8078.	7.2	40
33	Regulation of Hematopoiesis and Methionine Homeostasis by mTORC1 Inhibitor NPRL2. Cell Reports, 2015, 12, 371-379.	2.9	40
34	Cooperative Self-Assembled Nanoparticle Induces Sequential Immunogenic Cell Death and Toll-Like Receptor Activation for Synergistic Chemo-immunotherapy. Nano Letters, 2021, 21, 4371-4380.	4.5	39
35	A prostate-specific membrane antigen activated molecular rotor for real-time fluorescence imaging. Nature Communications, 2021, 12, 5460.	5.8	37
36	pHâ€Amplified CRET Nanoparticles for In Vivo Imaging of Tumor Metastatic Lymph Nodes. Angewandte Chemie - International Edition, 2021, 60, 14512-14520.	7.2	35

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37	Targeted Polymeric Micelle System for Delivery of Combretastatin A4 to Tumor Vasculature In Vitro. Pharmaceutical Research, 2010, 27, 1861-1868.	1.7	33
38	Peptide PHSCNK as an integrin Î±5Î²1 antagonist targets stealth liposomes to integrin-overexpressing melanoma. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 1152-1161.	1.7	33
39	A pH-/Enzyme-Responsive Nanoparticle Selectively Targets Endosomal Toll-like Receptors to Potentiate Robust Cancer Vaccination. Nano Letters, 2022, 22, 2978-2987.	4.5	33
40	In vivo optical imaging of folate receptorâ€Î² in head and neck squamous cell carcinoma. Laryngoscope, 2014, 124, E312-9.	1.1	28
41	Prodrug Strategy to Achieve Lyophilizable, High Drug Loading Micelle Formulations Through Diester Derivatives of Î²â€Lapachone. Advanced Healthcare Materials, 2014, 3, 1210-1216.	3.9	27
42	Quantitative imaging of intracellular nanoparticle exposure enables prediction of nanotherapeutic efficacy. Nature Communications, 2021, 12, 2385.	5.8	25
43	A Nanosystem of Amphiphilic Oligopeptide-Drug Conjugate Actualizing Both Î±vÎ²3 Targeting and Reduction-Triggered Release for Maytansinoid. Theranostics, 2017, 7, 3306-3318.	4.6	22
44	Sequential Modulations of Tumor Vasculature and Stromal Barriers Augment the Active Targeting Efficacy of Antibodyâ€Modified Nanophotosensitizer in Desmoplastic Ovarian Carcinoma. Advanced Science, 2021, 8, 2002253.	5.6	21
45	Ultra-pH-sensitive indocyanine green-conjugated nanoprobes for fluorescence imaging-guided photothermal cancer therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 17, 287-296.	1.7	20
46	Precise Monitoring of Singlet Oxygen in Specific Endocytic Organelles by Super-pH-Resolved Nanosensors. ACS Applied Materials & Interfaces, 2021, 13, 18533-18544.	4.0	20
47	Quick-Responsive Polymer-Based Thermosensitive Liposomes for Controlled Doxorubicin Release and Chemotherapy. ACS Biomaterials Science and Engineering, 2019, 5, 2316-2329.	2.6	19
48	Stability Influences the Biodistribution, Toxicity, and Anti-tumor Activity of Doxorubicin Encapsulated in PEG-PE Micelles in Mice. Pharmaceutical Research, 2012, 29, 1977-1989.	1.7	16
49	Anisotropy in Shape and Ligandâ€Conjugation of Hybrid Nanoparticulates Manipulates the Mode of Bioâ€"Nano Interaction and Its Outcome. Advanced Functional Materials, 2017, 27, 1700406.	7.8	16
50	Laser-Triggered Injectable Gelatin Hydrogels System for Combinatorial Upconversion Fluorescence Imaging and Antitumor Chemophotothermal Therapy. ACS Applied Bio Materials, 2019, 2, 3722-3729.	2.3	15
51	A pHâ€Responsive Nanoparticle Library with Precise pH Tunability by Coâ€Polymerization with Nonâ€Ionizable Monomers. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
52	Dissecting extracellular and intracellular distribution of nanoparticles and their contribution to therapeutic response by monochromatic ratiometric imaging. Nature Communications, 2022, 13, 2004.	5.8	13
53	Boosting innate and adaptive antitumor immunity via a biocompatible and carrier-free nanovaccine engineered by the bisphosphonates-metal coordination. Nano Today, 2021, 37, 101097.	6.2	11
54	Lysosome-oriented, dual-stage pH-responsive polymeric micelles for Î²-lapachone delivery. Journal of Materials Chemistry B, 2016, 4, 7429-7440.	2.9	10

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55	Linkage with cathepsin B-sensitive dipeptide promotes the in vitro and in vivo anticancer activity of PEGylated tumor necrosis factor-alpha (TNF-Î±) against murine fibrosarcoma. Science China Life Sciences, 2011, 54, 128-138.	2.3	7
56	A magnetism/laser-auxiliary cascaded drug delivery to pulmonary carcinoma. Acta Pharmaceutica Sinica B, 2020, 10, 1549-1562.	5.7	5
57	Rethinking nanoparticulate polymerâ€"drug conjugates for cancer theranostics. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2023, 15, .	3.3	5
58	pHâ€Amplified CRET Nanoparticles for In Vivo Imaging of Tumor Metastatic Lymph Nodes. Angewandte Chemie, 2021, 133, 14633-14641.	1.6	2
59	Shape Anisotropy: Anisotropy in Shape and Ligandâ€Conjugation of Hybrid Nanoparticulates Manipulates the Mode of Bioâ€"Nano Interaction and Its Outcome (Adv. Funct. Mater. 31/2017). Advanced Functional Materials, 2017, 27, .	7.8	1
60	A pHâ€Responsive Nanoparticle Library with Precise pH Tunability by Coâ€Polymerization with Nonâ€Ionizable Monomers. Angewandte Chemie, 0, , .	1.6	0