Xin-Yu Wang

List of Publications by Year
in descending order

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46 papers	3,049 citations	218662 26 h-index	233409 45 g-index
50 all docs	50 docs citations	50 times ranked	4763 citing authors

#	Article	IF	Citations
1	Anti-PEG IgM elicited by injection of liposomes is involved in the enhanced blood clearance of a subsequent dose of PEGylated liposomes. Journal of Controlled Release, 2007, 119, 236-244.	9.9	368
2	Multi-responsive photothermal-chemotherapy with drug-loaded melanin-like nanoparticles for synergetic tumor ablation. Biomaterials, 2016, 81, 114-124.	11.4	362
3	PEGylated liposomes elicit an anti-PEG IgM response in a T cell-independent manner. Journal of Controlled Release, 2007, 122, 349-355.	9.9	333
4	Glutathione-Triggered â€œOffâ€“Onâ€•Release of Anticancer Drugs from Dendrimer-Encapsulated Gold Nanoparticles. Journal of the American Chemical Society, 2013, 135, 9805-9810.	13.7	198
5	A Polydopamine Nanoparticle-Knotted Poly(ethylene glycol) Hydrogel for On-Demand Drug Delivery and Chemo-photothermal Therapy. Chemistry of Materials, 2017, 29, 1370-1376.	6.7	182
6	A smart aminoglycoside hydrogel with tunable gel degradation, on-demand drug release, and high antibacterial activity. Journal of Controlled Release, 2017, 247, 145-152.	9.9	148
7	Near infrared light-responsive and injectable supramolecular hydrogels for on-demand drug delivery. Chemical Communications, 2016, 52, 978-981.	4.1	134
8	Foe to Friend: Supramolecular Nanomedicines Consisting of Natural Polyphenols and Bortezomib. Nano Letters, 2018, 18, 7045-7051.	9.1	109
9	Trifolium-like Platinum Nanoparticle-Mediated Photothermal Therapy Inhibits Tumor Growth and Osteolysis in a Bone Metastasis Model. Small, 2015, 11, 2080-2086.	10.0	87
10	Injectable and responsively degradable hydrogel for personalized photothermal therapy. Biomaterials, 2016, 104, 129-137.	11.4	87
11	Rational Design of Polyphenol-Poloxamer Nanovesicles for Targeting Inflammatory Bowel Disease Therapy. Chemistry of Materials, 2018, 30, 4073-4080.	6.7	87
12	Dynamic Modulation of Enzyme Activity by Nearâ€Infrared Light. Angewandte Chemie - International Edition, 2017, 56, 6767-6772.	13.8	86
13	Generation 9 Polyamidoamine Dendrimer Encapsulated Platinum Nanoparticle Mimics Catalase Size, Shape, and Catalytic Activity. Langmuir, 2013, 29, 5262-5270.	3.5	74
14	Nanoparticle ferritin-bound erastin and rapamycin: a nanodrug combining autophagy and ferroptosis for anticancer therapy. Biomaterials Science, 2019, 7, 3779-3787.	5.4	65
15	Polyphenolâ€“Poloxamer Selfâ€Assembled Supramolecular Nanoparticles for Tumor NIRF/PET Imaging. Advanced Healthcare Materials, 2018, 7, e1701505.	7.6	61
16	Osteotropic peptide-mediated bone targeting for photothermal treatment of bone tumors. Biomaterials, 2017, 114, 97-105.	11.4	57
17	Oral delivery of anti-TNF antibody shielded by natural polyphenol-mediated supramolecular assembly for inflammatory bowel disease therapy. Theranostics, 2020, 10, 10808-10822.	10.0	54
18	Mitochondrial targeting dendrimer allows efficient and safe gene delivery. Journal of Materials Chemistry B, 2014, 2, 2546-2553.	5.8	50

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19	Engineering polyphenol-based polymeric nanoparticles for drug delivery and bioimaging. Chemical Engineering Journal, 2022, 439, 135661.	12.7	48
20	Surface-Engineered Dendrimers with a Diaminododecane Core Achieve Efficient Gene Transfection and Low Cytotoxicity. Bioconjugate Chemistry, 2014, 25, 342-350.	3.6	44
21	Melanin-based nanoparticles in biomedical applications: From molecular imaging to treatment of diseases. Chinese Chemical Letters, 2019, 30, 533-540.	9.0	41
22	ROSâ€Responsive Boronateâ€Stabilized Polyphenolâ€“Poloxamer 188 Assembled Dexamethasone Nanodrug for Macrophage Repolarization in Osteoarthritis Treatment. Advanced Healthcare Materials, 2021, 10, e2100883.	7.6	40
23	Screening of efficient siRNA carriers in a library of surface-engineered dendrimers. Scientific Reports, 2016, 6, 25069.	3.3	37
24	Doxorubicin loaded ferritin nanoparticles for ferroptosis enhanced targeted killing of cancer cells. RSC Advances, 2019, 9, 28548-28553.	3.6	33
25	A Facile Strategy to Prepare Dendrimer-stabilized Gold Nanorods with Sub-10-nm Size for Efficient Photothermal Cancer Therapy. Scientific Reports, 2016, 6, 22764.	3.3	29
26	Dynamic Modulation of Enzyme Activity by Nearâ€Infrared Light. Angewandte Chemie, 2017, 129, 6871-6876.	2.0	28
27	An elastic gel consisting of natural polyphenol and pluronic for simultaneous dura sealing and treatment of spinal cord injury. Journal of Controlled Release, 2020, 323, 613-623.	9.9	25
28	PET of HER2 Expression with a Novel ¹⁸FAl Labeled Affibody. Journal of Cancer, 2017, 8, 1170-1178.	2.5	24
29	In Vivo Tracking of Fluorinated Polypeptide Gene Carriers by Positron Emission Tomography Imaging. ACS Applied Materials & Interfaces, 2020, 12, 45763-45771.	8.0	21
30	Feasibility study of 68Ga-labeled CARÂT cells for in vivo tracking using micro-positron emission tomography imaging. Acta Pharmacologica Sinica, 2021, 42, 824-831.	6.1	18
31	PET imaging of a ⁶⁸Ga labeled modified HER2 affibody in breast cancers: from xenografts to patients. British Journal of Radiology, 2019, 92, 20190425.	2.2	17
32	Theranostic radioiodine-labelled melanin nanoparticles inspired by clinical brachytherapy seeds. Journal of Materials Chemistry B, 2018, 6, 8163-8169.	5.8	16
33	Self-Assembling Nonconjugated Poly(amide-imide) into Thermoresponsive Nanovesicles with Unexpected Red Fluorescence for Bioimaging. Biomacromolecules, 2019, 20, 1455-1463.	5.4	16
34	Oneâ€pot synthesis of soluble and fluorescent aliphatic hyperbranched poly(amideâ€imide) with solventâ€dependent emission. Journal of Polymer Science Part A, 2017, 55, 2053-2060.	2.3	12
35	Synthesis of a novel 89Zr-labeled HER2 affibody and its application study in tumor PET imaging. EJNMMI Research, 2020, 10, 58.	2.5	11
36	Age-related change of GLP-1R expression in rats can be detected by [18F]AlF-NOTA-MAL-Cys39-exendin-4. Brain Research, 2018, 1698, 213-219.	2.2	10

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37	Cationic poly(amide-imide)-conjugated camptothecin prodrug with variable nanomorphology for efficient reductive-responsive drug delivery. European Polymer Journal, 2020, 123, 109462.	5.4	6
38	Triggered release of anticancer drugs from PEGylated polydopamine nanospheres by near-infrared light. Journal of Controlled Release, 2015, 213, e122.	9.9	5
39	Combinatory effects of vaccinia virus VG9 and the STAT3 inhibitor Stattic on cancer therapy. Archives of Virology, 2019, 164, 1805-1814.	2.1	5
40	Pharmacokinetic and pharmacodynamic studies of CD19 CAR T cell in human leukaemic xenograft models with dualâ€modality imaging. Journal of Cellular and Molecular Medicine, 2021, 25, 7451-7461.	3.6	5
41	PET Imaging of FSHR Expression in Tumors with ⁶⁸Ga-Labeled FSH1 Peptide. Contrast Media and Molecular Imaging, 2017, 2017, 1-8.	0.8	4
42	In vivo SPECT imaging of an 131I-labeled PM 2.5 mimic substitute. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	4
43	Quantitative radio-thin-layer chromatography and positron emission tomography studies for measuring streptavidin transduced chimeric antigen receptor T cells. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1182, 122944.	2.3	4
44	Transcription factor Kruppel-like factor 5 positively regulates the expression of AarF domain containing kinase 4. Molecular Biology Reports, 2020, 47, 8419-8427.	2.3	3
45	Bone and metal targeted polymeric nanoparticles (US20150125391 A1): a patent evaluation. Expert Opinion on Therapeutic Patents, 2016, 26, 987-991.	5.0	1
46	Optimizing the performance of ⁶⁸Ga labeled FSHR ligand in prostate cancer model by co-administration of aprotinin. International Journal of Radiation Biology, 2022, 98, 1571-1580.	1.8	0