Ya-Xuan Zhu

List of Publications by Year
in descending order

29 papers	1,832 citations	304368 22 h-index	476904 29 g-index
31 all docs	31 docs citations	31 times ranked	2492 citing authors

#	Article	IF	Citations
1	One-step synthesis of quaternized silica nanoparticles with bacterial adhesion and aggregation properties for effective antibacterial and antibiofilm treatments. Journal of Materials Chemistry B, 2022, 10, 3073-3082.	2.9	9
2	Rose Bengal-Derived Ultrabright Sulfur-Doped Carbon Dots for Fast Discrimination between Live and Dead Cells. Analytical Chemistry, 2022, 94, 4243-4251.	3.2	33
3	Photostable AIE probes for wash-free, ultrafast, and high-quality plasma membrane staining. Journal of Materials Chemistry B, 2021, 9, 4303-4308.	2.9	21
4	Nanomedicines for combating multidrug resistance of cancer. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1715.	3.3	14
5	Repurposing Erythrocytes as a â€œPhotoactivatable Bombâ€: A General Strategy for Siteâ€Specific Drug Release in Blood Vessels. Small, 2021, 17, e2100753.	5.2	17
6	Mitochondria-acting nanomicelles for destruction of cancer cells via excessive mitophagy/autophagy-driven lethal energy depletion and phototherapy. Biomaterials, 2020, 232, 119668.	5.7	70
7	Photosensitizer-Doped and Plasma Membrane-Responsive Liposomes for Nuclear Drug Delivery and Multidrug Resistance Reversal. ACS Applied Materials & Interfaces, 2020, 12, 36882-36894.	4.0	39
8	Mitochondrion- and nucleus-acting polymeric nanoagents for chemo-photothermal combination therapy. Science China Materials, 2020, 63, 851-863.	3.5	17
9	Enzymeâ€Mediated Tumor Starvation and Phototherapy Enhance Mildâ€Temperature Photothermal Therapy. Advanced Functional Materials, 2020, 30, 1909391.	7.8	215
10	Multifunctional quaternized carbon dots with enhanced biofilm penetration and eradication efficiencies. Journal of Materials Chemistry B, 2019, 7, 5104-5114.	2.9	95
11	Nanomaterials meet zebrafish: Toxicity evaluation and drug delivery applications. Journal of Controlled Release, 2019, 311-312, 301-318.	4.8	105
12	Construction of Dually Responsive Nanotransformers with Nanosphereâ€“Nanofiberâ€“Nanosphere Transition for Overcoming the Size Paradox of Anticancer Nanodrugs. ACS Nano, 2019, 13, 11781-11792.	7.3	84
13	Role of Cholesterol Conjugation in the Antibacterial Photodynamic Therapy of Branched Polyethylenimine-Containing Nanoagents. Langmuir, 2019, 35, 14324-14331.	1.6	35
14	Cholesterol-Modified Dendrimers for Constructing a Tumor Microenvironment-Responsive Drug Delivery System. ACS Biomaterials Science and Engineering, 2019, 5, 6072-6081.	2.6	23
15	Supramolecular Nanogels: Smart Supramolecular â€œTrojan Horseâ€â€Inspired Nanogels for Realizing Lightâ€Triggered Nuclear Drug Influx in Drugâ€Resistant Cancer Cells (Adv. Funct. Mater. 13/2019). Advanced Functional Materials, 2019, 29, 1970085.	7.8	2
16	Efficient cell surface labelling of live zebrafish embryos: wash-free fluorescence imaging for cellular dynamics tracking and nanotoxicity evaluation. Chemical Science, 2019, 10, 4062-4068.	3.7	64
17	Waterâ€Dispersible Candle Sootâ€“Derived Carbon Nanoâ€Onion Clusters for Imagingâ€Guided Photothermal Cancer Therapy. Small, 2019, 15, e1804575.	5.2	80
18	Metalâ€“Phenolic Network-Based Nanocomplexes that Evoke Ferroptosis by Apoptosis: Promoted Nuclear Drug Influx and Reversed Drug Resistance of Cancer. Chemistry of Materials, 2019, 31, 10071-10084.	3.2	100

#	Article	IF	Citations
19	Smart Supramolecular â€œTrojan Horseâ€â€Inspired Nanogels for Realizing Lightâ€Triggered Nuclear Drug Influx in Drugâ€Resistant Cancer Cells. Advanced Functional Materials, 2019, 29, 1807772.	7.8	48
20	Self-Assembled Rose Bengal-Exopolysaccharide Nanoparticles for Improved Photodynamic Inactivation of Bacteria by Enhancing Singlet Oxygen Generation Directly in the Solution. ACS Applied Materials & Interfaces, 2018, 10, 16715-16722.	4.0	79
21	Development of a Light-Controlled Nanoplatform for Direct Nuclear Delivery of Molecular and Nanoscale Materials. Journal of the American Chemical Society, 2018, 140, 4062-4070.	6.6	135
22	Turning double hydrophilic into amphiphilic: IR825-conjugated polymeric nanomicelles for near-infrared fluorescence imaging-guided photothermal cancer therapy. Nanoscale, 2018, 10, 2115-2127.	2.8	52
23	Cyanine-Containing Polymeric Nanoparticles with Imaging/Therapy-Switchable Capability for Mitochondria-Targeted Cancer Theranostics. ACS Applied Nano Materials, 2018, 1, 2885-2897.	2.4	44
24	Turning Toxicants into Safe Therapeutic Drugs: Cytolytic Peptideâ”Photosensitizer Assemblies for Optimized In Vivo Delivery of Melittin. Advanced Healthcare Materials, 2018, 7, e1800380.	3.9	35
25	Plasma membrane-anchorable photosensitizing nanomicelles for lipid raft-responsive and light-controllable intracellular drug delivery. Journal of Controlled Release, 2018, 286, 103-113.	4.8	51
26	Plasma membrane activatable polymeric nanotheranostics with self-enhanced light-triggered photosensitizer cellular influx for photodynamic cancer therapy. Journal of Controlled Release, 2017, 255, 231-241.	4.8	77
27	Cholesterol-Assisted Bacterial Cell Surface Engineering for Photodynamic Inactivation of Gram-Positive and Gram-Negative Bacteria. ACS Applied Materials & Interfaces, 2017, 9, 15943-15951.	4.0	147
28	Photosensitizer (PS)/polyhedral oligomeric silsesquioxane (POSS)-crosslinked nanohybrids for enhanced imaging-guided photodynamic cancer therapy. Nanoscale, 2017, 9, 12874-12884.	2.8	66
29	Dual Channel Activatable Cyanine Dye for Mitochondrial Imaging and Mitochondria-Targeted Cancer Theranostics. ACS Biomaterials Science and Engineering, 2017, 3, 3596-3606.	2.6	75