Hai-Yan Xie

List of Publications by Citations

52 papers	2,120 citations	26 h-index	45 g-index
56 ext. papers	2,671 ext. citations	11.7 avg, IF	5.08 L-index

#	Paper	IF	Citations
52	Living Yeast Cells as a Controllable Biosynthesizer for Fluorescent Quantum Dots. *Advanced Functional Materials*, **2009**, 19, 2359-2364	15.6	140
51	Engineering Magnetosomes for Ferroptosis/Immunomodulation Synergism in Cancer. *ACS Nano*, **2019**, 13, 5662-5673	16.7	137
50	Biomimetic Immuno-Magnetosomes for High-Performance Enrichment of Circulating Tumor Cells. *Advanced Materials*, **2016**, 28, 7929-7935	24	137
49	Cell-targeting multifunctional nanospheres with both fluorescence and magnetism. *Small*, **2005**, 1, 506-9	11	136
48	Responsive Exosome Nano-bioconjugates for Synergistic Cancer Therapy. *Angewandte Chemie - International Edition*, **2020**, 59, 2018-2022	16.4	99
47	Biomimetic Magnetosomes as Versatile Artificial Antigen-Presenting Cells to Potentiate T-Cell-Based Anticancer Therapy. *ACS Nano*, **2017**, 11, 10724-10732	16.7	95
46	Colorimetric-Fluorescent-Magnetic Nanosphere-Based Multimodal Assay Platform for Salmonella Detection. *Analytical Chemistry*, **2019**, 91, 1178-1184	7.8	82
45	Fluorescent/magnetic micro/nano-spheres based on quantum dots and/or magnetic nanoparticles: preparation, properties, and their applications in cancer studies. *Nanoscale*, **2016**, 8, 12406-29	7.7	80
44	Molecularly Engineered Macrophage-Derived Exosomes with Inflammation Tropism and Intrinsic Heme Biosynthesis for Atherosclerosis Treatment. *Angewandte Chemie - International Edition*, **2020**, 59, 4068-4074	16.4	76
43	Single-Virus Tracking: From Imaging Methodologies to Virological Applications. *Chemical Reviews*, **2020**, 120, 1936-1979	68.1	75
42	Lectin-modified trifunctional nanobiosensors for mapping cell surface glycoconjugates. *Biosensors and Bioelectronics*, **2009**, 24, 1311-7	11.8	57
41	A Biocompatible Free Radical Nanogenerator with Real-Time Monitoring Capability for High Performance Sequential Hypoxic Tumor Therapy. *Advanced Functional Materials*, **2019**, 29, 1903436	15.6	56
40	Visual recognition and efficient isolation of apoptotic cells with fluorescent-magnetic-biotargeting multifunctional nanospheres. *Clinical Chemistry*, **2007**, 53, 2177-85	5.5	55
39	A multicomponent recognition and separation system established via fluorescent, magnetic, dualencoded multifunctional bioprobes. *Biomaterials*, **2011**, 32, 1177-84	15.6	53
38	A mild and reliable method to label enveloped virus with quantum dots by copper-free click chemistry. *Analytical Chemistry*, **2012**, 84, 8364-70	7.8	52
37	Construction of a Biomimetic Magnetosome and Its Application as a SiRNA Carrier for High-Performance Anticancer Therapy. *Advanced Functional Materials*, **2018**, 28, 1703326	15.6	52
36	Preparation and characterization of overcoated II-VI quantum dots. *Journal of Nanoscience and Nanotechnology*, **2005**, 5, 880-6	1.3	51

35	Fluorescent quantum dot-labeled aptamer bioprobes specifically targeting mouse liver cancer cells. *Talanta*, **2010**, 81, 505-9	6.2	49
34	Magnetic Nanoclusters Armed with Responsive PD-1 Antibody Synergistically Improved Adoptive T-Cell Therapy for Solid Tumors. *ACS Nano*, **2019**, 13, 1469-1478	16.7	49
33	Stable Organic Photosensitizer Nanoparticles with Absorption Peak beyond 800 Nanometers and High Reactive Oxygen Species Yield for Multimodality Phototheranostics. *ACS Nano*, **2020**, 14, 9917-9928	16.7	48
32	Engineering Magnetosomes for High-Performance Cancer Vaccination. *ACS Central Science*, **2019**, 5, 796-807	10.8	42
31	Fluorescent-magnetic dual-encoded nanospheres: a promising tool for fast-simultaneous-addressable high-throughput analysis. *Nanotechnology*, **2012**, 23, 035602	3.4	38
30	Quantum Dot Based Biotracking and Biodetection. *Analytical Chemistry*, **2019**, 91, 532-547	7.8	34
29	Enveloped virus labeling via both intrinsic biosynthesis and metabolic incorporation of phospholipids in host cells. *Analytical Chemistry*, **2013**, 85, 5263-70	7.8	33
28	Self-Activatable Photo-Extracellular Vesicle for Synergistic Trimodal Anticancer Therapy. *Advanced Materials*, **2021**, 33, e2005562	24	29
27	Sensitive single-color fluorescence "off-on" switch system for dsDNA detection based on quantum dots-ruthenium assembling dyads. *Biosensors and Bioelectronics*, **2014**, 56, 51-7	11.8	27
26	Antimonene with two-orders-of-magnitude improved stability for high-performance cancer theranostics. *Chemical Science*, **2019**, 10, 4847-4853	9.4	26
25	Biomimetic Microfluidic System for Fast and Specific Detection of Circulating Tumor Cells. *Analytical Chemistry*, **2019**, 91, 15726-15731	7.8	25
24	Green Mass Production of Pure Nanodrugs via an Ice-Template-Assisted Strategy. *Nano Letters*, **2019**, 19, 658-665	11.5	25
23	Cell-Membrane-Based Biomimetic Systems with Bioorthogonal Functionalities. *Accounts of Chemical Research*, **2020**, 53, 276-287	24.3	24
22	MnCaCs-Biomineralized Oncolytic Virus for Bimodal Imaging-Guided and Synergistically Enhanced Anticancer Therapy. *Nano Letters*, **2019**, 19, 8002-8009	11.5	22
21	Progress on the labeling and single-particle tracking technologies of viruses. *Analyst, The*, **2014**, 139, 3336-46	5	21
20	A fast and biocompatible living virus labeling method based on sialic acid-phenylboronic acid recognition system. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 2687-93	4.4	19
19	A self-driven bioinspired nanovehicle by leukocyte membrane-hitchhiking for early detection and treatment of atherosclerosis. *Biomaterials*, **2020**, 250, 119963	15.6	19
18	Integrating Two Efficient and Specific Bioorthogonal Ligation Reactions with Natural Metabolic Incorporation in One Cell for Virus Dual Labeling. *Analytical Chemistry*, **2017**, 89, 11620-11627	7.8	18

17	A new stable and reliable method for labeling nucleic acids of fully replicative viruses. *Chemical Communications*, **2012**, 48, 2424-6	5.8	17
16	Responsive Exosome Nano-bioconjugates for Synergistic Cancer Therapy. *Angewandte Chemie*, **2020**, 132, 2034-2038	3.6	17
15	Viral Protein-Pseudotyped and siRNA-Electroporated Extracellular Vesicles for Cancer Immunotherapy. *Advanced Functional Materials*, **2020**, 30, 2006515	15.6	17
14	Amplifying Nanoparticle Targeting Performance to Tumor via Diels–Alder Cycloaddition. *Advanced Functional Materials*, **2018**, 28, 1707596	15.6	17
13	Multifunctional Cellular Beacons with in Situ Synthesized Quantum Dots Make Pathogen Detectable with the Naked Eye. *Analytical Chemistry*, **2019**, 91, 7280-7287	7.8	12
12	Coordinating bioorthogonal reactions with two tumor-microenvironment-responsive nanovehicles for spatiotemporally controlled prodrug activation. *Chemical Science*, **2020**, 11, 2155-2160	9.4	11
11	Two-step tumor-targeting therapy via integrating metabolic lipid-engineering with in situ click chemistry. *Biomaterials Science*, **2020**, 8, 2283-2288	7.4	7
10	Labeling and Single-Particle-Tracking-Based Entry Mechanism Study of Vaccinia Virus from the Tiantan Strain. *Analytical Chemistry*, **2018**, 90, 3452-3459	7.8	7
9	Molecularly Engineered Macrophage-Derived Exosomes with Inflammation Tropism and Intrinsic Heme Biosynthesis for Atherosclerosis Treatment. *Angewandte Chemie*, **2020**, 132, 4097-4103	3.6	7
8	Ru(ii) polypyridyl complex-incorporated and folate-conjugated vehicle for cancer cell imaging and photoinduced inactivation. *Analyst, The*, **2016**, 141, 2948-54	5	5
7	Smart Tumor-Cell-Derived Microparticles Provide On-Demand Photosensitizer Synthesis and Hypoxia Relief for Photodynamic Therapy. *Angewandte Chemie - International Edition*, **2021**, 60, 25365-25371	16.4	5
6	High sensitive detection method for protein by combining the magnetic separation with cation exchange based signal amplification. *Talanta*, **2017**, 168, 91-99	6.2	4
5	Phytochemical Engineered Bacterial Outer Membrane Vesicles for Photodynamic Effects Promoted Immunotherapy. *Nano Letters*,	11.5	4
4	Engineering oncolytic vaccinia virus with functional peptides through mild and universal strategy. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 925-933	4.4	3
3	Membrane vesicles nanotheranostic systems: sources, engineering methods, and challenges. *Biomedical Materials (Bristol)*, **2021**, 16, 022009	3.5	3
2	Immunomodulatory hybrid bio-nanovesicle for self-promoted photodynamic therapy. *Nano Research*,1	10	1
1	Natural killer cell-derived extracellular vesicle significantly enhanced adoptive T cell therapy against solid tumors via versatilely immunomodulatory coordination. *Science China Chemistry*,1	7.9	0