

Hai-Yan Xie

List of Publications by Year in descending order

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54
papers

3,303
citations

136885

32
h-index

168321

53
g-index

56
all docs

56
docs citations

56
times ranked

3864
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Magnetosomes for Ferroptosis/Immunomodulation Synergism in Cancer. ACS Nano, 2019, 13, 5662-5673.	7.3	261
2	Responsive Exosome Nano-bioconjugates for Synergistic Cancer Therapy. Angewandte Chemie - International Edition, 2020, 59, 2018-2022.	7.2	226
3	Biomimetic Immuno-Magnetosomes for High-Performance Enrichment of Circulating Tumor Cells. Advanced Materials, 2016, 28, 7929-7935.	11.1	190
4	Living Yeast Cells as a Controllable Biosynthesizer for Fluorescent Quantum Dots. Advanced Functional Materials, 2009, 19, 2359-2364.	7.8	178
5	Molecularly Engineered Macrophage-Derived Exosomes with Inflammation Tropism and Intrinsic Heme Biosynthesis for Atherosclerosis Treatment. Angewandte Chemie - International Edition, 2020, 59, 4068-4074.	7.2	164
6	Colorimetric-Fluorescent-Magnetic Nanosphere-Based Multimodal Assay Platform for Salmonella Detection. Analytical Chemistry, 2019, 91, 1178-1184.	3.2	152
7	Biomimetic Magnetosomes as Versatile Artificial Antigen-Presenting Cells to Potentiate T-Cell-Based Anticancer Therapy. ACS Nano, 2017, 11, 10724-10732.	7.3	150
8	Cell-Targeting Multifunctional Nanospheres with both Fluorescence and Magnetism. Small, 2005, 1, 506-509.	5.2	142
9	Single-Virus Tracking: From Imaging Methodologies to Virological Applications. Chemical Reviews, 2020, 120, 1936-1979.	23.0	131
10	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.	7.3	101
11	Self-Activatable Photo-Extracellular Vesicle for Synergistic Trimodal Anticancer Therapy. Advanced Materials, 2021, 33, e2005562.	11.1	100
12	Fluorescent/magnetic micro/nano-spheres based on quantum dots and/or magnetic nanoparticles: preparation, properties, and their applications in cancer studies. Nanoscale, 2016, 8, 12406-12429.	2.8	93
13	A Biocompatible Free Radical Nanogenerator with Real-Time Monitoring Capability for High Performance Sequential Hypoxic Tumor Therapy. Advanced Functional Materials, 2019, 29, 1903436.	7.8	83
14	Magnetic Nanoclusters Armed with Responsive PD-1 Antibody Synergistically Improved Adoptive T-Cell Therapy for Solid Tumors. ACS Nano, 2019, 13, 1469-1478.	7.3	71
15	Construction of a Biomimetic Magnetosome and Its Application as a siRNA Carrier for High-Performance Anticancer Therapy. Advanced Functional Materials, 2018, 28, 1703326.	7.8	69
16	Engineering Magnetosomes for High-Performance Cancer Vaccination. ACS Central Science, 2019, 5, 796-807.	5.3	66
17	Lectin-modified trifunctional nanobiosensors for mapping cell surface glycoconjugates. Biosensors and Bioelectronics, 2009, 24, 1311-1317.	5.3	61
18	Visual Recognition and Efficient Isolation of Apoptotic Cells with Fluorescent-Magnetic-Biotargeting Multifunctional Nanospheres. Clinical Chemistry, 2007, 53, 2177-2185.	1.5	60

#	ARTICLE	IF	CITATIONS
19	Cell-Membrane-Based Biomimetic Systems with Bioorthogonal Functionalities. <i>Accounts of Chemical Research</i> , 2020, 53, 276-287.	7.6	59
20	A Mild and Reliable Method to Label Enveloped Virus with Quantum Dots by Copper-Free Click Chemistry. <i>Analytical Chemistry</i> , 2012, 84, 8364-8370.	3.2	58
21	Quantum Dot Based Biotracking and Biodetection. <i>Analytical Chemistry</i> , 2019, 91, 532-547.	3.2	58
22	A multicomponent recognition and separation system established via fluorescent, magnetic, dualencoded multifunctional bioprobes. <i>Biomaterials</i> , 2011, 32, 1177-1184.	5.7	57
23	Fluorescent quantum dot-labeled aptamer bioprobes specifically targeting mouse liver cancer cells. <i>Talanta</i> , 2010, 81, 505-509.	2.9	55
24	Preparation and Characterization of Overcoated IIâ€“VI Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 880-886.	0.9	53
25	A self-driven bioinspired nanovehicle by leukocyte membrane-hitchhiking for early detection and treatment of atherosclerosis. <i>Biomaterials</i> , 2020, 250, 119963.	5.7	52
26	Biomimetic Microfluidic System for Fast and Specific Detection of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2019, 91, 15726-15731.	3.2	46
27	MnCaCs-Biom mineralized Oncolytic Virus for Bimodal Imaging-Guided and Synergistically Enhanced Anticancer Therapy. <i>Nano Letters</i> , 2019, 19, 8002-8009.	4.5	41
28	Fluorescentâ€“magnetic dual-encoded nanospheres: a promising tool for fast-simultaneous-addressable high-throughput analysis. <i>Nanotechnology</i> , 2012, 23, 035602.	1.3	40
29	Enveloped Virus Labeling via Both Intrinsic Biosynthesis and Metabolic Incorporation of Phospholipids in Host Cells. <i>Analytical Chemistry</i> , 2013, 85, 5263-5270.	3.2	40
30	Antimonene with two-orders-of-magnitude improved stability for high-performance cancer theranostics. <i>Chemical Science</i> , 2019, 10, 4847-4853.	3.7	39
31	Green Mass Production of Pure Nanodrugs via an Ice-Template-Assisted Strategy. <i>Nano Letters</i> , 2019, 19, 658-665.	4.5	37
32	Viral Proteinâ€“Pseudotyped and siRNAâ€“Electroporated Extracellular Vesicles for Cancer Immunotherapy. <i>Advanced Functional Materials</i> , 2020, 30, 2006515.	7.8	37
33	Phytochemical Engineered Bacterial Outer Membrane Vesicles for Photodynamic Effects Promoted Immunotherapy. <i>Nano Letters</i> , 2022, 22, 4491-4500.	4.5	31
34	Sensitive single-color fluorescence â€œoffâ€“onâ€“switch system for dsDNA detection based on quantum dots-ruthenium assembling dyads. <i>Biosensors and Bioelectronics</i> , 2014, 56, 51-57.	5.3	27
35	Responsive Exosome Nanoâ€“bioconjugates for Synergistic Cancer Therapy. <i>Angewandte Chemie</i> , 2020, 132, 2034-2038.	1.6	27
36	Smart Tumorâ€“Cellâ€“Derived Microparticles Provide Onâ€“Demand Photosensitizer Synthesis and Hypoxia Relief for Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25365-25371.	7.2	26

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37	Progress on the labeling and single-particle tracking technologies of viruses. <i>Analyst, The</i> , 2014, 139, 3336-3346.	1.7	25
38	Integrating Two Efficient and Specific Bioorthogonal Ligation Reactions with Natural Metabolic Incorporation in One Cell for Virus Dual Labeling. <i>Analytical Chemistry</i> , 2017, 89, 11620-11627.	3.2	23
39	A fast and biocompatible living virus labeling method based on sialic acid-phenylboronic acid recognition system. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2687-2693.	1.9	22
40	Amplifying Nanoparticle Targeting Performance to Tumor via Diels-Alder Cycloaddition. <i>Advanced Functional Materials</i> , 2018, 28, 1707596.	7.8	22
41	Coordinating bioorthogonal reactions with two tumor-microenvironment-responsive nanovehicles for spatiotemporally controlled prodrug activation. <i>Chemical Science</i> , 2020, 11, 2155-2160.	3.7	22
42	A new stable and reliable method for labeling nucleic acids of fully replicative viruses. <i>Chemical Communications</i> , 2012, 48, 2424.	2.2	18
43	Multifunctional Cellular Beacons with in Situ Synthesized Quantum Dots Make Pathogen Detectable with the Naked Eye. <i>Analytical Chemistry</i> , 2019, 91, 7280-7287.	3.2	16
44	Molecularly Engineered Macrophage-Derived Exosomes with Inflammation Tropism and Intrinsic Heme Biosynthesis for Atherosclerosis Treatment. <i>Angewandte Chemie</i> , 2020, 132, 4097-4103.	1.6	14
45	Two-step tumor-targeting therapy via integrating metabolic lipid-engineering with in situ click chemistry. <i>Biomaterials Science</i> , 2020, 8, 2283-2288.	2.6	12
46	Labeling and Single-Particle-Tracking-Based Entry Mechanism Study of Vaccinia Virus from the Tiantan Strain. <i>Analytical Chemistry</i> , 2018, 90, 3452-3459.	3.2	9
47	Membrane vesicles nanotheranostic systems: sources, engineering methods, and challenges. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 022009.	1.7	8
48	High sensitive detection method for protein by combining the magnetic separation with cation exchange based signal amplification. <i>Talanta</i> , 2017, 168, 91-99.	2.9	6
49	Immunomodulatory hybrid bio-nanovesicle for self-promoted photodynamic therapy. <i>Nano Research</i> , 2022, 15, 4233-4242.	5.8	6
50	Ru(II) polypyridyl complex-incorporated and folate-conjugated vehicle for cancer cell imaging and photoinduced inactivation. <i>Analyst, The</i> , 2016, 141, 2948-2954.	1.7	5
51	Engineering oncolytic vaccinia virus with functional peptides through mild and universal strategy. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 925-933.	1.9	5
52	Natural killer cell-derived extracellular vesicle significantly enhanced adoptive T cell therapy against solid tumors via versatile immunomodulatory coordination. <i>Science China Chemistry</i> , 2021, 64, 1999-2009.	4.2	4
53	Phytochemical natural killer cells reprogram tumor microenvironment for potent immunotherapy of solid tumors. <i>Biomaterials</i> , 2022, 287, 121635.	5.7	3
54	Smart Tumor-Cell-Derived Microparticles Provide On-Demand Photosensitizer Synthesis and Hypoxia Relief for Photodynamic Therapy. <i>Angewandte Chemie</i> , 0, , .	1.6	2