

Yu Zhang

List of Publications by Year in descending order

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55
papers

8,967
citations

172457

29
h-index

161849

54
g-index

55
all docs

55
docs citations

55
times ranked

9357
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronal relay reactor Fe ₃ O ₄ @CeO ₂ for accelerating ROS axial conversion through enhanced Enzyme-like effect and relay effect. <i>Chemical Engineering Journal</i> , 2022, 429, 132303.	12.7	14
2	Advances in nanoparticle-based lateral flow immunoassay for point-of-care testing. <i>View</i> , 2022, 3, .	5.3	22
3	Artificial Intelligence-Aided Multiple Tumor Detection Method Based on Immunohistochemistry-Enhanced Dark-Field Imaging. <i>Analytical Chemistry</i> , 2022, 94, 1037-1045.	6.5	4
4	A biomimetic nanocomposite with enzyme-like activities and CXCR4 antagonism efficiently enhances the therapeutic efficacy of acute myeloid leukemia. <i>Bioactive Materials</i> , 2022, 18, 526-538.	15.6	19
5	Accurate, rapid and highly sensitive detection of African swine fever virus <i>via</i> graphene oxide-based accelerated strand exchange amplification. <i>Analytical Methods</i> , 2022, 14, 2072-2082.	2.7	2
6	Fluorescent Realgar Nanoclusters for Nuclear Targeting-Triggered Tumor Theranostics. <i>ACS Applied Nano Materials</i> , 2022, 5, 6485-6499.	5.0	3
7	Nanomedicines and nanomaterials for cancer therapy: Progress, challenge and perspectives. <i>Chemical Engineering Journal</i> , 2022, 446, 137147.	12.7	35
8	Long-term fate tracking and quantitative analyzing of nanoparticles in stem cells with bright-field microscopy. <i>Nano Today</i> , 2022, 44, 101506.	11.9	3
9	Tri-primer-enhanced strand exchange amplification combined with rapid lateral flow fluorescence immunoassay to detect SARS-CoV-2. <i>Analyst</i> , The, 2021, 146, 6650-6664.	3.5	4
10	Paclitaxel-loaded magnetic nanocrystals for tumor neovascular-targeted theranostics: an amplifying synergistic therapy combining magnetic hyperthermia with chemotherapy. <i>Nanoscale</i> , 2021, 13, 3613-3626.	5.6	17
11	Prussian Blue Nanoparticles Having Various Sizes and Crystallinities for Multienzyme Catalysis and Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2021, 4, 5176-5186.	5.0	21
12	Fe ₃ O ₄ @Pt nanozymes combining with CXCR4 antagonists to synergistically treat acute myeloid leukemia. <i>Nano Today</i> , 2021, 37, 101106.	11.9	33
13	Prussian Blue Nanozymes Prevent Anthracycline-Induced Liver Injury by Attenuating Oxidative Stress and Regulating Inflammation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42382-42395.	8.0	41
14	Zwitterion-functionalized hollow mesoporous Prussian blue nanoparticles for targeted and synergetic chemo-photothermal treatment of acute myeloid leukemia. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5245-5254.	5.8	15
15	Rituximab conjugated iron oxide nanoparticles for targeted imaging and enhanced treatment against CD20-positive lymphoma. <i>Journal of Materials Chemistry B</i> , 2020, 8, 895-907.	5.8	15
16	Prussian blue nanoparticles induce myeloid leukemia cells to differentiate into red blood cells through nanozyme activities. <i>Nanoscale</i> , 2020, 12, 23084-23091.	5.6	12
17	Modular design of Bi-specific nanoplatform engaged in malignant lymphoma immunotherapy. <i>Nanoscale</i> , 2020, 12, 18418-18428.	5.6	6
18	Synthesis of Ultrasmall Fe ₃ O ₄ Nanoparticles as <i>T</i> ₁ - <i>T</i> ₂ Dual-Modal Magnetic Resonance Imaging Contrast Agents in Rabbit Hepatic Tumors. <i>ACS Applied Nano Materials</i> , 2020, 3, 3585-3595.	5.0	36

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19	Lateral flow fluorescent immunoassay based on isothermal amplification for rapid quantitative detection of <i>Salmonella</i> spp.. <i>Analyst</i> , The, 2020, 145, 2367-2377.	3.5	13
20	Magnetic targeting combined with active targeting of dual-ligand iron oxide nanoprobe to promote the penetration depth in tumors for effective magnetic resonance imaging and hyperthermia. <i>Acta Biomaterialia</i> , 2019, 96, 491-504.	8.3	74
21	High-Performance Worm-like Mn-Zn Ferrite Theranostic Nanoagents and the Application on Tumor Theranostics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29536-29548.	8.0	30
22	Enhanced Tumor Synergistic Therapy by Injectable Magnetic Hydrogel Mediated Generation of Hyperthermia and Highly Toxic Reactive Oxygen Species. <i>ACS Nano</i> , 2019, 13, 14013-14023.	14.6	161
23	Polymerase chain reaction combined with fluorescent lateral flow immunoassay based on magnetic purification for rapid detection of canine parvovirus 2. <i>BMC Veterinary Research</i> , 2019, 15, 30.	1.9	27
24	A signal amplifying fluorescent nanoprobe and lateral flow assay for ultrasensitive detection of cardiac biomarker troponin I. <i>Analytical Methods</i> , 2019, 11, 3506-3513.	2.7	16
25	Catalytic Mechanisms of Nanozymes and Their Applications in Biomedicine. <i>Bioconjugate Chemistry</i> , 2019, 30, 1273-1296.	3.6	113
26	Apoptosis-promoting effect of rituximab-conjugated magnetic nanoprobe on malignant lymphoma cells with CD20 overexpression. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 921-936.	6.7	22
27	Polyethyleneimine-coated Iron Oxide Nanoparticles as a Vehicle for the Delivery of Small Interfering RNA to Macrophages <i>In Vitro</i> and <i>In Vivo</i> . <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	13
28	Antibody-Oriented Strategy and Mechanism for the Preparation of Fluorescent Nanoprobes for Fast and Sensitive Immunodetection. <i>Langmuir</i> , 2019, 35, 4860-4867.	3.5	52
29	Rapid Quantitative Detection of <i>Salmonella</i> spp. via Magnetic Beads-based Fluorescent Lateral Flow Immunoassay*. , 2019, , .		0
30	Using PEGylated magnetic nanoparticles to describe the EPR effect in tumor for predicting therapeutic efficacy of micelle drugs. <i>Nanoscale</i> , 2018, 10, 1788-1797.	5.6	53
31	Injectable magnetic supramolecular hydrogel with magnetocaloric liquid-conformal property prevents post-operative recurrence in a breast cancer model. <i>Acta Biomaterialia</i> , 2018, 74, 302-311.	8.3	62
32	Fluorescent Nanoprobes with Oriented Modified Antibodies to Improve Lateral Flow Immunoassay of Cardiac Troponin I. <i>Analytical Chemistry</i> , 2018, 90, 6502-6508.	6.5	106
33	A Novel AuNP-Based Glucose Oxidase Mimic with Enhanced Activity and Selectivity Constructed by Molecular Imprinting and O ₂ -Containing Nanoemulsion Embedding. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801070.	3.7	39
34	Time-Dependent T ₁ -T ₂ Switchable Magnetic Resonance Imaging Realized by c(RGDyK) Modified Ultrasmall Fe ₃ O ₄ Nanoprobes. <i>Advanced Functional Materials</i> , 2018, 28, 1802281.	14.9	50
35	Precise Study on Size-Dependent Properties of Magnetic Iron Oxide Nanoparticles for <i>In Vivo</i> Magnetic Resonance Imaging. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-9.	2.7	15
36	Estimation the tumor temperature in magnetic nanoparticle hyperthermia by infrared thermography: Phantom and numerical studies. <i>Journal of Thermal Biology</i> , 2018, 76, 89-94.	2.5	18

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37	Integration of a Superparamagnetic Scaffold and Magnetic Field To Enhance the Wound-Healing Phenotype of Fibroblasts. ACS Applied Materials & Interfaces, 2018, 10, 22913-22923.	8.0	31
38	Macrophage phenotypic mechanomodulation of enhancing bone regeneration by superparamagnetic scaffold upon magnetization. Biomaterials, 2017, 140, 16-25.	11.4	97
39	Shape-dependent enzyme-like activity of Co ₃ O ₄ nanoparticles and their conjugation with his-tagged EGFR single-domain antibody. Colloids and Surfaces B: Biointerfaces, 2017, 154, 55-62.	5.0	46
40	Injectable thermosensitive magnetic nanoemulsion hydrogel for multimodal-imaging-guided accurate thermoablative cancer therapy. Nanoscale, 2017, 9, 16175-16182.	5.6	49
41	Active-target T ₁ -weighted MR Imaging of Tiny Hepatic Tumor <i>via</i> RGD Modified Ultra-small Fe ₃ O ₄ Nanoprobes. Theranostics, 2016, 6, 1780-1791.	10.0	59
42	Multi-modal Mn ²⁺ /Zn ferrite nanocrystals for magnetically-induced cancer targeted hyperthermia: a comparison of passive and active targeting effects. Nanoscale, 2016, 8, 16902-16915.	5.6	76
43	Superparamagnetic anisotropic nano-assemblies with longer blood circulation in vivo: a highly efficient drug delivery carrier for leukemia therapy. Nanoscale, 2016, 8, 17085-17089.	5.6	23
44	Enzyme catalysis enhanced dark-field imaging as a novel immunohistochemical method. Nanoscale, 2016, 8, 8553-8558.	5.6	19
45	Prussian Blue Nanoparticles as Multi-enzyme Mimetics and Reactive Oxygen Species Scavengers. Journal of the American Chemical Society, 2016, 138, 5860-5865.	13.7	611
46	Rituximab ⁺ Au nanoprobes for simultaneous dark-field imaging and DAB staining of CD20 over-expressed on Raji cells. Analyst, The, 2014, 139, 5660-5663.	3.5	14
47	Co ₃ O ₄ Nanoparticles with Multi-Enzyme Activities and Their Application in Immunohistochemical Assay. ACS Applied Materials & Interfaces, 2014, 6, 1959-1970.	8.0	357
48	High-performance PEGylated Mn ²⁺ /Zn ferrite nanocrystals as a passive-targeted agent for magnetically induced cancer theranostics. Biomaterials, 2014, 35, 9126-9136.	11.4	110
49	Shape Evolution of α -Multibranched β -Mn ²⁺ /Zn Ferrite Nanostructures with High Performance: A Transformation of Nanocrystals into Nanoclusters. Chemistry of Materials, 2013, 25, 3702-3709.	6.7	58
50	Super-paramagnetic responsive nanofibrous scaffolds under static magnetic field enhance osteogenesis for bone repair in vivo. Scientific Reports, 2013, 3, 2655.	3.3	186
51	Dual Enzyme-like Activities of Iron Oxide Nanoparticles and Their Implication for Diminishing Cytotoxicity. ACS Nano, 2012, 6, 4001-4012.	14.6	717
52	A Hydrogen Peroxide ⁺ Responsive O ₂ Nanogenerator for Ultrasound and Magnetic ⁺ Resonance Dual Modality Imaging. Advanced Materials, 2012, 24, 5205-5211.	21.0	117
53	Ultra-small particles of iron oxide as peroxidase for immunohistochemical detection. Nanotechnology, 2011, 22, 225703.	2.6	47
54	Paramagnetic nanofibrous composite films enhance the osteogenic responses of pre-osteoblast cells. Nanoscale, 2010, 2, 2565.	5.6	104

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55	Intrinsic peroxidase-like activity of ferromagnetic nanoparticles. <i>Nature Nanotechnology</i> , 2007, 2, 577-583.	31.5	5,080