

Xiuwen Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,356
citations

393982

19
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344852

36
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42
all docs

42
docs citations

42
times ranked

1841
citing authors

#	ARTICLE	IF	CITATIONS
1	Diatomic active sites nanozymes: Enhanced peroxidase-like activity for dopamine and intracellular H ₂ O ₂ detection. Nano Research, 2022, 15, 4266-4273.	5.8	29
2	Precision therapy through breaking the intracellular redox balance with an MOF-based hydrogel intelligent nanobot for enhancing ferroptosis and activating immunotherapy. Nanoscale, 2022, 14, 8441-8453.	2.8	12
3	Precise Design of Atomically Dispersed Fe, Pt Dinuclear Catalysts and Their Synergistic Application for Tumor Catalytic Therapy. ACS Applied Materials & Interfaces, 2022, 14, 20669-20681.	4.0	18
4	A flowerlike FePt/MnO ₂ /GOx-based cascade nanoreactor with sustainable O ₂ supply for synergistic starvation-chemodynamic anticancer therapy. Journal of Materials Chemistry B, 2021, 9, 8480-8490.	2.9	18
5	Advances in FePt-involved nano-system design and application for bioeffect and biosafety. Journal of Materials Chemistry B, 2021, , .	2.9	3
6	Core-shell FePt-cube@covalent organic polymer nanocomposites: a multifunctional nanocatalytic agent for primary and metastatic tumor treatment. Journal of Materials Chemistry B, 2020, 8, 11021-11032.	2.9	17
7	A novel multifunctional FePt/BP nanoplatform for synergistic photothermal/photodynamic/chemodynamic cancer therapies and photothermally-enhanced immunotherapy. Journal of Materials Chemistry B, 2020, 8, 8010-8021.	2.9	58
8	Ultrasmlal Ternary FePtMn Nanocrystals with Acidity-Triggered Dual-Ions Release and Hypoxia Relief for Multimodal Synergistic Chemodynamic/Photodynamic/Photothermal Cancer Therapy. Advanced Healthcare Materials, 2020, 9, e1901634.	3.9	38
9	A novel theranostic nano-platform (PB@FePt@HA- <i>g</i> -PEG) for tumor chemodynamic-photothermal co-therapy and triple-modal imaging (MR/CT/PI) diagnosis. Journal of Materials Chemistry B, 2020, 8, 5351-5360.	2.9	33
10	Hierarchical hollow microspheres Na ₃ V ₂ (PO ₄) ₂ F ₃ C@rGO as high-performance cathode materials for sodium ion batteries. New Journal of Chemistry, 2020, 44, 12985-12992.	1.4	25
11	Facile synthesis of amino-functionalized polyphosphazene microspheres and their application for highly sensitive fluorescence detection of Fe ³⁺ . Journal of Applied Polymer Science, 2020, 137, 48937.	1.3	13
12	Time-gated luminescence probe for ratiometric and luminescence lifetime detection of Hypochorous acid in lysosomes of live cells. Talanta, 2020, 212, 120760.	2.9	19
13	FePt Nanoparticles Embedded in Metal-Organic Framework Nanoparticles for Tumor Imaging and Eradication. ACS Applied Nano Materials, 2020, 3, 4494-4503.	2.4	28
14	Tumor microenvironment responsive FePt/MoS ₂ nanocomposites with chemotherapy and photothermal therapy for enhancing cancer immunotherapy. Nanoscale, 2019, 11, 19912-19922.	2.8	73
15	FePt@MnO-Based Nanotheranostic Platform with Acidity-Triggered Dual-Ions Release for Enhanced MR Imaging-Guided Ferroptosis Chemodynamic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 38395-38404.	4.0	67
16	Synthesis of PB@FePt hybrid nanoparticles with peroxidase-mimicking activity for colorimetric determination of hydrogen peroxide in living cells. Analytical Methods, 2019, 11, 677-683.	1.3	11
17	A functional FePt@MOFs (MIL-101(Fe)) nano-platform for high efficient colorimetric determination of H ₂ O ₂ . Analyst, The, 2019, 144, 2716-2724.	1.7	24
18	Capture and separation of circulating tumor cells using functionalized magnetic nanocomposites with simultaneous <i>in situ</i> chemotherapy. Nanotechnology, 2019, 30, 285706.	1.3	11

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19	A facile preparation of FePt-loaded few-layer MoS ₂ nanosheets nanocomposites (F-MoS ₂ -FePt NCs) and their application for colorimetric detection of H ₂ O ₂ in living cells. <i>Journal of Nanobiotechnology</i> , 2019, 17, 38.	4.2	25
20	Nitrogen-doped hierarchical porous CNF derived from fibrous structured hollow ZIF-8 for a high-performance supercapacitor electrode. <i>RSC Advances</i> , 2019, 9, 40636-40641.	1.7	13
21	Characterizing the noncovalent binding behavior of tartrazine to lysozyme: A combined spectroscopic and computational analysis. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019, 33, e22258.	1.4	6
22	FePt-Au ternary metallic nanoparticles with the enhanced peroxidase-like activity for ultrafast colorimetric detection of H ₂ O ₂ . <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 775-783.	4.0	222
23	Construction of a multifunctional nanoprobe for tumor-targeted time-gated luminescence and magnetic resonance imaging <i>in vitro</i> and <i>in vivo</i> . <i>Nanoscale</i> , 2018, 10, 11597-11603.	2.8	20
24	Crystal structure and optical properties of diaqua-tris(nitrato- λ^2) Tj ETQqO O O rgBT /Overlock 10 Tf 50 552 Td (<i>in vitro</i> , <i>in vivo</i>). <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 163-164.	0.1	1
25	FePt nanoparticles-decorated graphene oxide nanosheets as enhanced peroxidase mimics for sensitive response to H ₂ O ₂ . <i>Materials Science and Engineering C</i> , 2018, 90, 610-620.	3.8	93
26	Development of a novel FePt-based multifunctional ferroptosis agent for high-efficiency anticancer therapy. <i>Nanoscale</i> , 2018, 10, 17858-17864.	2.8	47
27	pH-Responsive, Self-Sacrificial Nanotheranostic Agent for Potential In Vivo and In Vitro Dual Modal MRI/CT Imaging, Real-Time, and In Situ Monitoring of Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2017, 28, 400-409.	1.8	89
28	Synthesis of amphiphilic polycarboxylate copolymer and its notable dispersion and adsorption characteristics onto cement and clay. <i>Advances in Cement Research</i> , 2016, 28, 344-353.	0.7	18
29	Multifunctional FePt@Au heterodimers: promising nanotheranostic agents for dual-modality MR/CT imaging diagnosis and in situ cancer therapy. <i>RSC Advances</i> , 2016, 6, 107331-107336.	1.7	16
30	Synthesis and self-assembly of a dual thermal and pH-responsive ternary graft copolymer for sustained release drug delivery. <i>RSC Advances</i> , 2016, 6, 2571-2581.	1.7	5
31	One-pot synthesis of FePt/CNTs nanocomposites for efficient cellular imaging and cancer therapy. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	7
32	Assembly of Fe ₃ O ₄ nanoparticles on PEG-functionalized graphene oxide for efficient magnetic imaging and drug delivery. <i>RSC Advances</i> , 2015, 5, 69307-69311.	1.7	28
33	Synthesis and self-assembly of well-defined binary graft copolymer and its use in superhydrophobic cotton fabrics preparation. <i>RSC Advances</i> , 2015, 5, 46132-46145.	1.7	17
34	A novel bubbling-assisted exfoliating method preparation of magnetically separable λ^3 -Fe ₂ O ₃ /graphene recyclable photocatalysts. <i>Functional Materials Letters</i> , 2014, 07, 1450056.	0.7	4
35	Design of multifunctional FePt/GO nanocomposites for targeting, dual-modal imaging diagnostic and in situ therapeutic potential theranostic platform. <i>RSC Advances</i> , 2014, 4, 58489-58494.	1.7	22
36	Indicator-free electrochemical genosensing originated from the self-signal of poly-xanthurenic acid enhanced by Fe ₃ O ₄ /reduced graphene oxide. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2367-2373.	1.2	8

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37	An enhanced sensing platform for ultrasensitive impedimetric detection of target genes based on ordered FePt nanoparticles decorated carbonnanotubes. <i>Biosensors and Bioelectronics</i> , 2013, 42, 481-485.	5.3	27
38	Stimuli-responsive molecularly imprinted polymers: versatile functional materials. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4406.	2.7	147
39	One-pot synthesis of carbon-decorated FePt nanoparticles and their application for label-free electrochemical impedance sensing of DNA hybridization. <i>RSC Advances</i> , 2013, 3, 9042.	1.7	11
40	Effect of surface modification of Fe ₃ O ₄ nanoparticles on the preparation of Fe ₃ O ₄ /polystyrene composite particles via miniemulsion polymerization. <i>Polymer Bulletin</i> , 2012, 68, 1305-1314.	1.7	13
41	Facile synthesis and phase control of copper chalcogenides with different morphologies. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 94, 805-812.	1.1	20