Xiuwen Zheng

List of Publications by Year
in descending order

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41 papers	1,356 citations	393982 19 h-index	344852 36 g-index
42 all docs	42 docs citations	42 times ranked	1841 citing authors

#	Article	IF	Citations
1	FePt-Au ternary metallic nanoparticles with the enhanced peroxidase-like activity for ultrafast colorimetric detection of H2O2. Sensors and Actuators B: Chemical, 2018, 259, 775-783.	4.0	222
2	Stimuli-responsive molecularly imprinted polymers: versatile functional materials. Journal of Materials Chemistry C, 2013, 1, 4406.	2.7	147
3	FePt nanoparticles-decorated graphene oxide nanosheets as enhanced peroxidase mimics for sensitive response to H2O2. Materials Science and Engineering C, 2018, 90, 610-620.	3.8	93
4	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. Bioconjugate Chemistry, 2017, 28, 400-409.	1.8	89
5	Tumor microenvironment responsive FePt/MoS₂ nanocomposites with chemotherapy and photothermal therapy for enhancing cancer immunotherapy. Nanoscale, 2019, 11, 19912-19922.	2.8	73
6	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
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	Development of a novel FePt-based multifunctional ferroptosis agent for high-efficiency anticancer therapy. Nanoscale, 2018, 10, 17858-17864.	2.8	47
9	Ultrasmall Ternary FePtMn Nanocrystals with Acidityâ€Triggered Dualâ€Ions Release and Hypoxia Relief for Multimodal Synergistic Chemodynamic/Photodynamic/Photothermal Cancer Therapy. Advanced Healthcare Materials, 2020, 9, e1901634.	3.9	38
10	A novel theranostic nano-platform (PB@FePtâ€“HA-g-PEG) for tumor chemodynamicâ€“photothermal co-therapy and triple-modal imaging (MR/CT/PI) diagnosis. Journal of Materials Chemistry B, 2020, 8, 5351-5360.	2.9	33
11	Diatomic active sites nanozymes: Enhanced peroxidase-like activity for dopamine and intracellular H2O2 detection. Nano Research, 2022, 15, 4266-4273.	5.8	29
12	Assembly of Fe₃O₄ nanoparticles on PEG-functionalized graphene oxide for efficient magnetic imaging and drug delivery. RSC Advances, 2015, 5, 69307-69311.	1.7	28
13	FePt Nanoparticles Embedded in Metalâ€“Organic Framework Nanoparticles for Tumor Imaging and Eradication. ACS Applied Nano Materials, 2020, 3, 4494-4503.	2.4	28
14	An enhanced sensing platform for ultrasensitive impedimetric detection of target genes based on ordered FePt nanoparticles decorated carbonnanotubes. Biosensors and Bioelectronics, 2013, 42, 481-485.	5.3	27
15	A facile preparation of FePt-loaded few-layer MoS2 nanosheets nanocomposites (F-MoS2-FePt NCs) and their application for colorimetric detection of H2O2 in living cells. Journal of Nanobiotechnology, 2019, 17, 38.	4.2	25
16	Hierarchical hollow microspheres Na₃V₂(PO₄)₂F₃C@rGO as high-performance cathode materials for sodium ion batteries. New Journal of Chemistry, 2020, 44, 12985-12992.	1.4	25
17	A functional FePt@MOFs (MIL-101(Fe)) nano-platform for high efficient colorimetric determination of H₂O₂. Analyst, The, 2019, 144, 2716-2724.	1.7	24
18	Design of multifunctional FePt/GO nanocomposites for targeting, dual-modal imaging diagnostic and in situ therapeutic potential theranostic platform. RSC Advances, 2014, 4, 58489-58494.	1.7	22

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19	Facile synthesis and phase control of copper chalcogenides withÂdifferent morphologies. Applied Physics A: Materials Science and Processing, 2009, 94, 805-812.	1.1	20
20	Construction of a multifunctional nanoprobe for tumor-targeted time-gated luminescence and magnetic resonance imaging in vitro and in vivo. Nanoscale, 2018, 10, 11597-11603.	2.8	20
21	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
22	Synthesis of amphiphilic polycarboxylate copolymer and its notable dispersion and adsorption characteristics onto cement and clay. Advances in Cement Research, 2016, 28, 344-353.	0.7	18
23	A flowerlike FePt/MnO₂/GOx-based cascade nanoreactor with sustainable O₂ supply for synergistic starvation-chemodynamic anticancer therapy. Journal of Materials Chemistry B, 2021, 9, 8480-8490.	2.9	18
24	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
25	Synthesis and self-assembly of well-defined binary graft copolymer and its use in superhydrophobic cotton fabrics preparation. RSC Advances, 2015, 5, 46132-46145.	1.7	17
26	Coreâ€“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
27	Multifunctional FePtâ€“Au heterodimers: promising nanotheranostic agents for dual-modality MR/CT imaging diagnosis and in situ cancer therapy. RSC Advances, 2016, 6, 107331-107336.	1.7	16
28	Effect of surface modification of Fe3O4 nanoparticles on the preparation of Fe3O4/polystyrene composite particles via miniemulsion polymerization. Polymer Bulletin, 2012, 68, 1305-1314.	1.7	13
29	Nitrogen-doped hierarchical porous CNF derived from fibrous structured hollow ZIF-8 for a high-performance supercapacitor electrode. RSC Advances, 2019, 9, 40636-40641.	1.7	13
30	Facile synthesis of aminoâ€functionalized polyphosphazene microspheres and their application for highly sensitive fluorescence detection of Fe³⁺. Journal of Applied Polymer Science, 2020, 137, 48937.	1.3	13
31	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
32	One-pot synthesis of carbon-decorated FePt nanoparticles and their application for label-free electrochemical impedance sensing of DNA hybridization. RSC Advances, 2013, 3, 9042.	1.7	11
33	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
34	Capture and separation of circulating tumor cells using functionalized magnetic nanocomposites with simultaneous in situ chemotherapy. Nanotechnology, 2019, 30, 285706.	1.3	11
35	Indicator-free electrochemical genosensing originated from the self-signal of poly-xanthurenic acid enhanced by Fe3O4/reduced graphene oxide. Journal of Solid State Electrochemistry, 2014, 18, 2367-2373.	1.2	8
36	One-pot synthesis of FePt/CNTs nanocomposites for efficient cellular imaging and cancer therapy. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	7

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37	Characterizing the noncovalent binding behavior of tartrazine to lysozyme: A combined spectroscopic and computational analysis. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22258.	1.4	6
38	Synthesis and self-assembly of a dual thermal and pH-responsive ternary graft copolymer for sustained release drug delivery. RSC Advances, 2016, 6, 2571-2581.	1.7	5
39	A novel bubbling-assisted exfoliating method preparation of magnetically separable Î³-Fe₂O₃/graphene recyclable photocatalysts. Functional Materials Letters, 2014, 07, 1450056.	0.7	4
40	Advances in FePt-involved nano-system design and application for bioeffect and biosafety. Journal of Materials Chemistry B, 2021, , .	2.9	3
41	Crystal structure and optical properties of diaqua-tris(nitrato-Î¹²) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 592 Td (Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 163-164.	0.1	1