

Bingdi Chen

List of Publications by Year in descending order

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51
papers

3,331
citations

236925

25
h-index

197818

49
g-index

54
all docs

54
docs citations

54
times ranked

6160
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile Ultrasonic Synthesis of CoO Quantum Dot/Graphene Nanosheet Composites with High Lithium Storage Capacity. <i>ACS Nano</i> , 2012, 6, 1074-1081.	14.6	475
2	Porous Co ₃ O ₄ Nanotubes Derived From Co ₄ (CO) ₁₂ Clusters on Carbon Nanotube Templates: A Highly Efficient Material For Li-Battery Applications. <i>Advanced Materials</i> , 2007, 19, 4505-4509.	21.0	430
3	Porous Indium Oxide Nanotubes: Layer-by-Layer Assembly on Carbon-Nanotube Templates and Application for Room-Temperature NH ₃ Gas Sensors. <i>Advanced Materials</i> , 2007, 19, 1641-1645.	21.0	393
4	Targeting Negative Surface Charges of Cancer Cells by Multifunctional Nanoprobes. <i>Theranostics</i> , 2016, 6, 1887-1898.	10.0	295
5	Ligand-free Self-Assembly of Ceria Nanocrystals into Nanorods by Oriented Attachment at Low Temperature. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12677-12680.	3.1	137
6	Integration of interstitial fluid extraction and glucose detection in one device for wearable non-invasive blood glucose sensors. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113078.	10.1	116
7	<p>Cell membrane camouflaged nanoparticles: a new biomimetic platform for cancer photothermal therapy</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 4431-4448.	6.7	86
8	Bioinspired synthesis of gadolinium-based hybrid nanoparticles as MRI blood pool contrast agents with high relaxivity. <i>Journal of Materials Chemistry</i> , 2012, 22, 14494.	6.7	83
9	Metal Oxide and Sulfide Hollow Spheres: Layer-By-Layer Synthesis and Their Application in Lithium-Ion Battery. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14836-14842.	2.6	78
10	Nanomaterials in Neural Stem Cell-Mediated Regenerative Medicine: Imaging and Treatment of Neurological Diseases. <i>Advanced Materials</i> , 2018, 30, e1705694.	21.0	77
11	Detection of cancer cells based on glycolytic-regulated surface electrical charges. <i>Biophysics Reports</i> , 2019, 5, 10-18.	0.8	71
12	One-pot, large-scale synthesis of SnO ₂ nanotubes at room temperature. <i>Chemical Communications</i> , 2008, , 3028.	4.1	65
13	Synthesis of polycrystalline SnO ₂ nanotubes on carbon nanotube template for anode material of lithium-ion battery. <i>Materials Research Bulletin</i> , 2009, 44, 211-215.	5.2	64
14	In situ synthesis of graphene oxide/gold nanorods theranostic hybrids for efficient tumor computed tomography imaging and photothermal therapy. <i>Nano Research</i> , 2017, 10, 37-48.	10.4	64
15	Synergistic Removal of Pb(II), Cd(II) and Humic Acid by Fe ₃ O ₄ @Mesoporous Silica-Graphene Oxide Composites. <i>PLoS ONE</i> , 2013, 8, e65634.	2.5	63
16	Degradation of Tetracycline with BiFeO ₃ Prepared by a Simple Hydrothermal Method. <i>Materials</i> , 2015, 8, 6360-6378.	2.9	59
17	Melanoma Cell Membrane Biomimetic Versatile CuS Nanoprobes for Homologous Targeting Photoacoustic Imaging and Photothermal Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16031-16039.	8.0	58
18	Carbon nanotube-based magnetic-fluorescent nanohybrids as highly efficient contrast agents for multimodal cellular imaging. <i>Journal of Materials Chemistry</i> , 2010, 20, 9895.	6.7	56

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19	Preparation of novel magnetic hollow mesoporous silica microspheres and their efficient adsorption. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 129-134.	9.4	44
20	One-Pot Synthesis of Biocompatible CdSe/CdS Quantum Dots and Their Applications as Fluorescent Biological Labels. <i>Nanoscale Research Letters</i> , 2011, 6, 31.	5.7	42
21	Enhanced Photocatalytic Removal of Tetrabromobisphenol A by Magnetic CoO@graphene Nanocomposites under Visible-Light Irradiation. <i>ACS Applied Energy Materials</i> , 2018, 1, 2698-2708.	5.1	42
22	Low-temperature chemical solution route for ZnO based sulfide coaxial nanocables: general synthesis and gas sensor application. <i>Nanotechnology</i> , 2007, 18, 115619.	2.6	39
23	Novel iodinated gold nanoclusters for precise diagnosis of thyroid cancer. <i>Nanoscale</i> , 2017, 9, 2219-2231.	5.6	39
24	Carbon Nanotube-ZnO Nanosphere Heterostructures: Low-Temperature Chemical Reaction Synthesis, Photoluminescence, and Their Application for Room Temperature NH ₃ ; Gas Sensor. <i>Science of Advanced Materials</i> , 2009, 1, 13-17.	0.7	39
25	Biomarkerless targeting and photothermal cancer cell killing by surface-electrically-charged superparamagnetic Fe ₃ O ₄ composite nanoparticles. <i>Nanoscale</i> , 2017, 9, 1457-1465.	5.6	30
26	Low temperature chemical reaction synthesis of single-crystalline Eu(OH) ₃ nanorods and their thermal conversion to Eu ₂ O ₃ nanorods. <i>Nanotechnology</i> , 2007, 18, 065605.	2.6	26
27	Facile Synthesis of Gd-Functionalized Gold Nanoclusters as Potential MRI/CT Contrast Agents. <i>Nanomaterials</i> , 2016, 6, 65.	4.1	26
28	Glypican-1-antibody-conjugated Gd-Au nanoclusters for FI/MRI dual-modal targeted detection of pancreatic cancer. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 2585-2599.	6.7	26
29	Functionalization of carbon nanotubes with magnetic nanoparticles: general nonaqueous synthesis and magnetic properties. <i>Nanotechnology</i> , 2008, 19, 315604.	2.6	24
30	Ultrasonic synthesis of CoO/graphene nanohybrids as high performance anode materials for lithium-ion batteries. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 2517-2522.	4.2	24
31	Hybrid nanostructures of Au nanocrystals and ZnO nanorods: Layer-by-layer assembly and tunable blue-shift band gap emission. <i>Materials Research Bulletin</i> , 2009, 44, 889-892.	5.2	23
32	Magnetic-fluorescent nanohybrids of carbon nanotubes coated with Eu, Gd Co-doped LaF ₃ as a multimodal imaging probe. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 61-66.	9.4	23
33	Facile one-pot synthesis of yolk-shell superparamagnetic nanocomposites via ternary phase separations. <i>Chemical Communications</i> , 2011, 47, 10350.	4.1	22
34	Preparation of highly fluorescent magnetic nanoparticles for analytes-enrichment and subsequent biodetection. <i>Journal of Colloid and Interface Science</i> , 2011, 353, 426-432.	9.4	22
35	In vitro and in vivo targeting imaging of pancreatic cancer using a Fe ₃ O ₄ @SiO ₂ nanoprobe modified with anti-mesothelin antibody. <i>International Journal of Nanomedicine</i> , 2016, 11, 2195.	6.7	21
36	Smart Sorting of Tumor Phenotype with Versatile Fluorescent Ag Nanoclusters by Sensing Specific Reactive Oxygen Species. <i>Theranostics</i> , 2020, 10, 3430-3450.	10.0	20

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37	Dual-targeted and MRI-guided photothermal therapy via iron-based nanoparticles-incorporated neutrophils. <i>Biomaterials Science</i> , 2021, 9, 3968-3978.	5.4	19
38	Fe ₃ O ₄ @M nanoparticles for MRI-targeted detection in the early lesions of atherosclerosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 33, 102348.	3.3	18
39	Sub-2 nm SnO ₂ nanocrystals: A reduction/oxidation chemical reaction synthesis and optical properties. <i>Materials Research Bulletin</i> , 2008, 43, 3164-3170.	5.2	17
40	Lysosome-dependent necrosis specifically evoked in cancer cells by gold nanorods. <i>Nanomedicine</i> , 2017, 12, 1575-1589.	3.3	15
41	Facile ultrasonic synthesis of novel zinc sulfide/carbon nanotube coaxial nanocables for enhanced photodegradation of methyl orange. <i>Journal of Materials Science</i> , 2017, 52, 1581-1589.	3.7	15
42	CKAP4 Antibody-Conjugated Si Quantum Dot Micelles for Targeted Imaging of Lung Cancer. <i>Nanoscale Research Letters</i> , 2021, 16, 124.	5.7	10
43	SiRNA-circFARSA-loaded porous silicon nanomaterials for pancreatic cancer treatment via inhibition of CircFARSA expression. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112672.	5.6	9
44	New insights into the red luminescent bovine serum albumin conjugated gold nanospecies. <i>Journal of Alloys and Compounds</i> , 2017, 691, 860-865.	5.5	7
45	Morphology and phase selective synthesis of EuF ₃ nanostructures by polyelectrolyte assisted chemical reaction and their optical properties. <i>Materials Chemistry and Physics</i> , 2009, 115, 562-566.	4.0	5
46	Suppression of the innate cancer-killing activity in human granulocytes by stress reaction as a possible mechanism for affecting cancer development. <i>Stress</i> , 2020, 23, 87-96.	1.8	4
47	Novel Non-Invasive Diagnosis of Bladder Cancer in Urine Based on Multifunctional Nanoparticles. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 813420.	3.7	4
48	Natural cancer-killing activity of human granulocytes. <i>Integrative Cancer Science and Therapeutics</i> , 2018, 5, .	0.1	3
49	Ultra Convenient Synthesis of Lanthanide Based Magnetic-Fluorescent Hydrogels for Multimodal Cellular Imaging. <i>Advanced Materials Research</i> , 2011, 266, 118-121.	0.3	1
50	Surface Functionalized Carbon Nanotubes for Biomedical Applications. <i>Frontiers in Nanobiomedical Research</i> , 2015, , 157-179.	0.1	1
51	Quantum dots decorated single walled carbon nanotubes for multimodal cellular imaging. , 2010, , .		0