

# Bingdi Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Fe <sub>3</sub> O <sub>4</sub> @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
3	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
4	CKAP4 Antibody-Conjugated Si Quantum Dot Micelles for Targeted Imaging of Lung Cancer. <i>Nanoscale Research Letters</i> , 2021, 16, 124.	5.7	10
5	Dual-targeted and MRI-guided photothermal therapy via iron-based nanoparticles-incorporated neutrophils. <i>Biomaterials Science</i> , 2021, 9, 3968-3978.	5.4	19
6	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
7	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
8	Melanoma Cell Membrane Biomimetic Versatile CuS Nanoprobes for Homologous Targeting Photoacoustic Imaging and Photothermal Chemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 16031-16039.	8.0	58
9	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
10	Cell membrane camouflaged nanoparticles: a new biomimetic platform for cancer photothermal therapy. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 4431-4448.	6.7	86
11	Detection of cancer cells based on glycolytic-regulated surface electrical charges. <i>Biophysics Reports</i> , 2019, 5, 10-18.	0.8	71
12	Nanomaterials in Neural Stem Cell Mediated Regenerative Medicine: Imaging and Treatment of Neurological Diseases. <i>Advanced Materials</i> , 2018, 30, e1705694.	21.0	77
13	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
14	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
15	Natural cancer-killing activity of human granulocytes. <i>Integrative Cancer Science and Therapeutics</i> , 2018, 5, .	0.1	3
16	Novel iodinated gold nanoclusters for precise diagnosis of thyroid cancer. <i>Nanoscale</i> , 2017, 9, 2219-2231.	5.6	39
17	Lysosome-dependent necrosis specifically evoked in cancer cells by gold nanorods. <i>Nanomedicine</i> , 2017, 12, 1575-1589.	3.3	15
18	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

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19	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
20	Biomarkerless targeting and photothermal cancer cell killing by surface-electrically-charged superparamagnetic Fe <sub>3</sub> O <sub>4</sub> composite nanoparticles. <i>Nanoscale</i> , 2017, 9, 1457-1465.	5.6	30
21	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
22	Targeting Negative Surface Charges of Cancer Cells by Multifunctional Nanoprobes. <i>Theranostics</i> , 2016, 6, 1887-1898.	10.0	295
23	Facile Synthesis of Gd-Functionalized Gold Nanoclusters as Potential MRI/CT Contrast Agents. <i>Nanomaterials</i> , 2016, 6, 65.	4.1	26
24	In vitro and in vivo targeting imaging of pancreatic cancer using a&nbsp;Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> &nbsp;nanoprobe modified with anti-mesothelin antibody. <i>International Journal of Nanomedicine</i> , 2016, 11, 2195.	6.7	21
25	Degradation of Tetracycline with BiFeO <sub>3</sub> Prepared by a Simple Hydrothermal Method. <i>Materials</i> , 2015, 8, 6360-6378.	2.9	59
26	Surface Functionalized Carbon Nanotubes for Biomedical Applications. <i>Frontiers in Nanobiomedical Research</i> , 2015, , 157-179.	0.1	1
27	Synergistic Removal of Pb(II), Cd(II) and Humic Acid by Fe <sub>3</sub> O <sub>4</sub> @Mesoporous Silica-Graphene Oxide Composites. <i>PLoS ONE</i> , 2013, 8, e65634.	2.5	63
28	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
29	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
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	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
32	Magnetic-fluorescent nanohybrids of carbon nanotubes coated with Eu, Gd Co-doped LaF <sub>3</sub> as a multimodal imaging probe. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 61-66.	9.4	23
33	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
34	Facile one-pot synthesis of yolk-shell superparamagnetic nanocomposites via ternary phase separations. <i>Chemical Communications</i> , 2011, 47, 10350.	4.1	22
35	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
36	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

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37	Quantum dots decorated single walled carbon nanotubes for multimodal cellular imaging. , 2010, , .		0
38	Carbon nanotube-based magnetic-fluorescent nanohybrids as highly efficient contrast agents for multimodal cellular imaging. Journal of Materials Chemistry, 2010, 20, 9895.	6.7	56
39	Morphology and phase selective synthesis of EuF <sub>3</sub> nanostructures by polyelectrolyte assisted chemical reaction and their optical properties. Materials Chemistry and Physics, 2009, 115, 562-566.	4.0	5
40	Synthesis of polycrystalline SnO <sub>2</sub> nanotubes on carbon nanotube template for anode material of lithium-ion battery. Materials Research Bulletin, 2009, 44, 211-215.	5.2	64
41	Hybrid nanostructures of Au nanocrystals and ZnO nanorods: Layer-by-layer assembly and tunable blue-shift band gap emission. Materials Research Bulletin, 2009, 44, 889-892.	5.2	23
42	Carbon Nanotube-ZnO Nanosphere Heterostructures: Low-Temperature Chemical Reaction Synthesis, Photoluminescence, and Their Application for Room Temperature NH <sub>3</sub> Gas Sensor. Science of Advanced Materials, 2009, 1, 13-17.	0.7	39
43	Sub-2 nm SnO <sub>2</sub> nanocrystals: A reduction/oxidation chemical reaction synthesis and optical properties. Materials Research Bulletin, 2008, 43, 3164-3170.	5.2	17
44	One-pot, large-scale synthesis of SnO <sub>2</sub> nanotubes at room temperature. Chemical Communications, 2008, , 3028.	4.1	65
45	Metal Oxide and Sulfide Hollow Spheres: Layer-By-Layer Synthesis and Their Application in Lithium-Ion Battery. Journal of Physical Chemistry B, 2008, 112, 14836-14842.	2.6	78
46	Functionalization of carbon nanotubes with magnetic nanoparticles: general nonaqueous synthesis and magnetic properties. Nanotechnology, 2008, 19, 315604.	2.6	24
47	Low temperature chemical reaction synthesis of single-crystalline Eu(OH) <sub>3</sub> nanorods and their thermal conversion to Eu <sub>2</sub> O <sub>3</sub> nanorods. Nanotechnology, 2007, 18, 065605.	2.6	26
48	Ligand-free Self-Assembly of Ceria Nanocrystals into Nanorods by Oriented Attachment at Low Temperature. Journal of Physical Chemistry C, 2007, 111, 12677-12680.	3.1	137
49	Low-temperature chemical solution route for ZnO based sulfide coaxial nanocables: general synthesis and gas sensor application. Nanotechnology, 2007, 18, 115619.	2.6	39
50	Porous Indium Oxide Nanotubes: Layer-by-Layer Assembly on Carbon-Nanotube Templates and Application for Room-Temperature NH <sub>3</sub> Gas Sensors. Advanced Materials, 2007, 19, 1641-1645.	21.0	393
51	Porous Co <sub>3</sub> O <sub>4</sub> Nanotubes Derived From Co <sub>4</sub> (CO) <sub>12</sub> Clusters on Carbon Nanotube Templates: A Highly Efficient Material For Li-Battery Applications. Advanced Materials, 2007, 19, 4505-4509.	21.0	430