

Yilong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,115
citations

279487

23
h-index

264894

42
g-index

46
all docs

46
docs citations

46
times ranked

4082
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting Negative Surface Charges of Cancer Cells by Multifunctional Nanoprobes. <i>Theranostics</i> , 2016, 6, 1887-1898.	4.6	295
2	Dual Surface-Functionalized Janus Nanocomposites of Polystyrene/Fe ₃ O ₄ @SiO ₂ for Simultaneous Tumor Cell Targeting and Stimulus-Induced Drug Release. <i>Advanced Materials</i> , 2013, 25, 3485-3489.	11.1	186
3	Synthesis of reduced graphene oxide/magnetite composites and investigation of their adsorption performance of fluoroquinolone antibiotics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 424, 74-80.	2.3	169
4	Nanomaterials for Cancer Precision Medicine. <i>Advanced Materials</i> , 2018, 30, e1705660.	11.1	136
5	A Facile, Water-Based Synthesis of Highly Branched Nanostructures of Silver. <i>Langmuir</i> , 2008, 24, 12042-12046.	1.6	121
6	Effect of spatial confinement on magnetic hyperthermia via dipolar interactions in Fe ₃ O ₄ nanoparticles for biomedical applications. <i>Materials Science and Engineering C</i> , 2014, 42, 52-63.	3.8	119
7	Detection of Mycobacterium tuberculosis based on H37Rv binding peptides using surface functionalized magnetic microspheres coupled with quantum dots – a nano detection method for Mycobacterium tuberculosis. <i>International Journal of Nanomedicine</i> , 2015, 10, 77.	3.3	113
8	Synthesis of Asymmetric Inorganic/Polymer Nanocomposite Particles via Localized Substrate Surface Modification and Miniemulsion Polymerization. <i>Langmuir</i> , 2008, 24, 606-608.	1.6	83
9	A Light-Triggered Mesenchymal Stem Cell Delivery System for Photoacoustic Imaging and Chemo-Photothermal Therapy of Triple Negative Breast Cancer. <i>Advanced Science</i> , 2018, 5, 1800382.	5.6	73
10	Cell-Penetrating Magnetic Nanoparticles for Highly Efficient Delivery and Intracellular Imaging of siRNA. <i>Biomacromolecules</i> , 2012, 13, 2723-2730.	2.6	65
11	Amino-functionalized core-shell magnetic mesoporous composite microspheres for Pb(II) and Cd(II) removal. <i>Journal of Environmental Sciences</i> , 2013, 25, 830-837.	3.2	63
12	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.	1.1	63
13	Enhanced adsorption of humic acid on amine functionalized magnetic mesoporous composite microspheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 406, 61-67.	2.3	49
14	Rapid Label-Free Isolation of Circulating Tumor Cells from Patients'™ Peripheral Blood Using Electrically Charged Fe ₃ O ₄ Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4193-4203.	4.0	49
15	Effect of physicochemical property of Fe ₃ O ₄ particle on magnetic lateral flow immunochromatographic assay. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 129-136.	4.0	48
16	Facile One-Pot Synthesis and Morphological Control of Asymmetric Superparamagnetic Composite Nanoparticles. <i>Langmuir</i> , 2011, 27, 7207-7212.	1.6	46
17	Preparation of novel magnetic hollow mesoporous silica microspheres and their efficient adsorption. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 129-134.	5.0	44
18	A highly sensitive and flexible magnetic nanoprobe labeled immunochromatographic assay platform for pathogen <i>Vibrio parahaemolyticus</i> . <i>International Journal of Food Microbiology</i> , 2015, 211, 109-116.	2.1	38

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19	Electrical-Charge-Mediated Cancer Cell Targeting via Protein Corona-Decorated Superparamagnetic Nanoparticles in a Simulated Physiological Environment. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41986-41998.	4.0	36
20	Targeting and Regulating of an Oncogene via Nanovector Delivery of MicroRNA using Patient-Derived Xenografts. <i>Theranostics</i> , 2017, 7, 677-693.	4.6	33
21	GSH-Depleted Nanozymes with Dual Radicals Enzyme Activities for Tumor Synergic Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2102160.	7.8	32
22	Stress hyperglycemia is associated with in-hospital mortality in patients with diabetes and acute ischemic stroke. <i>CNS Neuroscience and Therapeutics</i> , 2022, 28, 372-381.	1.9	32
23	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.	2.8	30
24	Titanium dioxide nanoparticles prime a specific activation state of macrophages. <i>Nanotoxicology</i> , 2017, 11, 1-14.	1.6	29
25	Facile one-pot synthesis of yolk-shell superparamagnetic nanocomposites via ternary phase separations. <i>Chemical Communications</i> , 2011, 47, 10350.	2.2	22
26	Preparation of highly fluorescent magnetic nanoparticles for analytes-enrichment and subsequent biodetection. <i>Journal of Colloid and Interface Science</i> , 2011, 353, 426-432.	5.0	22
27	Cancer cell-nanomaterial interface: role of geometry and surface charge of nanocomposites in the capture efficiency and cell viability. <i>Biomaterials Science</i> , 2019, 7, 2759-2768.	2.6	19
28	Bioelectricity, Its Fundamentals, Characterization Methodology, and Applications in Nano-Bioprobing and Cancer Diagnosis. <i>Advanced Biology</i> , 2019, 3, e1900101.	3.0	18
29	Preparation of spherical caged superparamagnetic nanocomposites with completed inorganic shell via a modified miniemulsion technology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 477, 84-89.	2.3	10
30	A new DNA sensor system for specific and quantitative detection of mycobacteria. <i>Nanoscale</i> , 2019, 11, 587-597.	2.8	10
31	Asymmetric Composite Nanoparticles with Anisotropic Surface Functionalities. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-5.	1.5	9
32	Design and development of anisotropic inorganic/polystyrene nanocomposites by surface modification of zinc oxide nanoparticles. <i>Materials Science and Engineering C</i> , 2016, 64, 87-92.	3.8	9
33	Synthesis of Raspberry-Like SiO ₂ /Polystyrene Nanocomposite Particles via Miniemulsion Polymerization. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1571-1576.	0.9	7
34	Positively Charged Magnetic Nanoparticles for Capture of Circulating Tumor Cells from Clinical Blood Samples. <i>Nano LIFE</i> , 2020, 10, 1971001.	0.6	7
35	Influence of controlled surface functionalization of magnetic nanocomposites on the detection performance of immunochromatographic test. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 817-825.	4.0	6
36	Cell-Friendly Isolation and pH-Sensitive Controllable Release of Circulating Tumor Cells by Fe ₃ O ₄ @CaCO ₃ Nanoplatfrom. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101191.	1.9	6

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37	Efficient Capture and T2 Magnetic Resonance Assay of <i>Candida albicans</i> with Inorganic Nanoparticles: Role of Nanoparticle Surface Charge and Fungal Cell Wall. ACS Biomaterials Science and Engineering, 2019, 5, 3270-3278.	2.6	5
38	Recent Advances in Nanotechnology for Breast Cancer Therapy. Nano LIFE, 2019, 09, 1940003.	0.6	5
39	Preparation of QDs@SiO ₂ /Polystyrene Composite Particles for Cancer Cells Detection. Nano LIFE, 2018, 08, 1841006.	0.6	3
40	<i>In-Vitro</i> Study of Cancer Cell Binding and Photothermal Inhibition Efficiency by Gold Nanoparticles-Capped Iron Oxide Nanospheres. Nano LIFE, 2019, 09, 1940004.	0.6	2
41	Janus Nanostructures for Biomedical Applications: Dual-Surfaces of Single Particle for Multifunctionality. Springer Series in Biomaterials Science and Engineering, 2016, , 421-443.	0.7	1
42	Path-Dependent Anisotropic Colloidal Assembly of Magnetic Nanocomposite-Protein Complexes. Langmuir, 2022, 38, 6265-6272.	1.6	1
43	DUAL SURFACE-FUNCTIONALIZED SUPERPARAMAGNETIC JANUS NANOCOMPOSITES OF POLYSTYRENE/Fe ₃ O ₄ @SiO ₂ VIA A ONE-POT MINIEMULSION METHOD. Nano LIFE, 2013, 03, 1343006.	0.6	0
44	Dual Functionalized Janus Nanocomposites for Targeted pH-Responsive Drug Delivery. Materials Research Society Symposia Proceedings, 2014, 1625, 1.	0.1	0
45	Janus Nanostructures and Their Bio-medical Applications. Frontiers in Nanobiomedical Research, 2015, , 111-133.	0.1	0