

Da-Xiang Cui

List of Publications by Year in descending order

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396
papers

25,747
citations

6606

79
h-index

9854

141
g-index

402
all docs

402
docs citations

402
times ranked

31949
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	7.3	976
2	Effect of single wall carbon nanotubes on human HEK293 cells. Toxicology Letters, 2005, 155, 73-85.	0.4	773
3	Biocompatibility of Graphene Oxide. Nanoscale Research Letters, 2011, 6, 8.	3.1	728
4	Light-Triggered Theranostics Based on Photosensitizer-Conjugated Carbon Dots for Simultaneous Enhanced Fluorescence Imaging and Photodynamic Therapy. Advanced Materials, 2012, 24, 5104-5110.	11.1	630
5	Combination of Small Molecule Prodrug and Nanodrug Delivery: Amphiphilic Drug-Drug Conjugate for Cancer Therapy. Journal of the American Chemical Society, 2014, 136, 11748-11756.	6.6	628
6	Photosensitizer-Loaded Gold Vesicles with Strong Plasmonic Coupling Effect for Imaging-Guided Photothermal/Photodynamic Therapy. ACS Nano, 2013, 7, 5320-5329.	7.3	603
7	Folic Acid-conjugated Graphene Oxide loaded with Photosensitizers for Targeting Photodynamic Therapy. Theranostics, 2011, 1, 240-250.	4.6	491
8	Spontaneous Insertion of DNA Oligonucleotides into Carbon Nanotubes. Nano Letters, 2003, 3, 471-473.	4.5	432
9	Folic acid-conjugated Silica-modified gold nanorods for X-ray/CT imaging-guided dual-mode radiation and photo-thermal therapy. Biomaterials, 2011, 32, 9796-9809.	5.7	385
10	Cytotoxicity of single-wall carbon nanotubes on human fibroblasts. Toxicology in Vitro, 2006, 20, 1202-1212.	1.1	380
11	Mesoporous Multifunctional Upconversion Luminescent and Magnetic Nanorattle-Materials for Targeted Chemotherapy. Nano Letters, 2012, 12, 61-67.	4.5	360
12	Zeta potential: a surface electrical characteristic to probe the interaction of nanoparticles with normal and cancer human breast epithelial cells. Biomedical Microdevices, 2008, 10, 321-328.	1.4	359
13	Nanostructured anode materials for lithium-ion batteries: principle, recent progress and future perspectives. Journal of Materials Chemistry A, 2017, 5, 19521-19540.	5.2	323
14	Recent Advances in Nanotechnology Applied to Biosensors. Sensors, 2009, 9, 1033-1053.	2.1	310
15	The photoluminescence, drug delivery and imaging properties of multifunctional Eu ³⁺ /Gd ³⁺ -dual-doped hydroxyapatite nanorods. Biomaterials, 2011, 32, 9031-9039.	5.7	305
16	Dendrimer-Modified Magnetic Nanoparticles Enhance Efficiency of Gene Delivery System. Cancer Research, 2007, 67, 8156-8163.	0.4	297
17	RGD-Conjugated Dendrimer-Modified Gold Nanorods for <i>In Vivo</i> Tumor Targeting and Photothermal Therapy. Molecular Pharmaceutics, 2010, 7, 94-104.	2.3	294
18	Photosensitizer-conjugated magnetic nanoparticles for <i>in vivo</i> simultaneous magnetofluorescent imaging and targeting therapy. Biomaterials, 2011, 32, 3447-3458.	5.7	253

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19	The antifungal activity of graphene oxide-silver nanocomposites. <i>Biomaterials</i> , 2013, 34, 3882-3890.	5.7	249
20	Dual Phase-Controlled Synthesis of Uniform Lanthanide-Doped NaGdF ₄ Upconversion Nanocrystals Via an OA/Ionic Liquid Two-Phase System for In Vivo Dual-Modality Imaging. <i>Advanced Functional Materials</i> , 2011, 21, 4470-4477.	7.8	225
21	A Review on Metal- and Metal Oxide-Based Nanozymes: Properties, Mechanisms, and Applications. <i>Nano-Micro Letters</i> , 2021, 13, 154.	14.4	221
22	MicroRNA-218 Inhibits Glioma Invasion, Migration, Proliferation, and Cancer Stem-like Cell Self-Renewal by Targeting the Polycomb Group Gene <i>Bmi1</i> . <i>Cancer Research</i> , 2013, 73, 6046-6055.	0.4	210
23	Breath Analysis Based on Surface-Enhanced Raman Scattering Sensors Distinguishes Early and Advanced Gastric Cancer Patients from Healthy Persons. <i>ACS Nano</i> , 2016, 10, 8169-8179.	7.3	206
24	Photosensitizer-conjugated silica-coated gold nanoclusters for fluorescence imaging-guided photodynamic therapy. <i>Biomaterials</i> , 2013, 34, 4643-4654.	5.7	201
25	Dual Targeted Immunotherapy via In Vivo Delivery of Biohybrid RNAi-Peptide Nanoparticles to Tumor-Associated Macrophages and Cancer Cells. <i>Advanced Functional Materials</i> , 2015, 25, 4183-4194.	7.8	196
26	Progress in Microfluidics-Based Exosome Separation and Detection Technologies for Diagnostic Applications. <i>Small</i> , 2020, 16, e1903916.	5.2	193
27	Human Induced Pluripotent Stem Cells for Tumor Targeted Delivery of Gold Nanorods and Enhanced Photothermal Therapy. <i>ACS Nano</i> , 2016, 10, 2375-2385.	7.3	185
28	Gold Nanoclusters-Based Nanoprobes for Simultaneous Fluorescence Imaging and Targeted Photodynamic Therapy with Superior Penetration and Retention Behavior in Tumors. <i>Advanced Functional Materials</i> , 2015, 25, 1314-1325.	7.8	180
29	Fluoroimmunoassay for Antigen Based on Fluorescence Quenching Signal of Gold Nanoparticles. <i>Analytical Chemistry</i> , 2006, 78, 1104-1106.	3.2	178
30	The immunotoxicity of graphene oxides and the effect of PVP-coating. <i>Biomaterials</i> , 2013, 34, 5254-5261.	5.7	173
31	Near-Infrared Light Triggered ROS-activated Theranostic Platform based on Ce6-CPT-UCNPs for Simultaneous Fluorescence Imaging and Chemo-Photodynamic Combined Therapy. <i>Theranostics</i> , 2016, 6, 456-469.	4.6	161
32	Enhanced bioavailability and efficiency of curcumin for the treatment of asthma by its formulation in solid lipid nanoparticles. <i>International Journal of Nanomedicine</i> , 2012, 7, 3667.	3.3	160
33	Synergistic thermoradiotherapy based on PEGylated Cu ₃ Bi ₃ ternary semiconductor nanorods with strong absorption in the second near-infrared window. <i>Biomaterials</i> , 2017, 112, 164-175.	5.7	153
34	Synthesis and characterization of polyamidoamine dendrimer-coated multi-walled carbon nanotubes and their application in gene delivery systems. <i>Nanotechnology</i> , 2009, 20, 125101.	1.3	143
35	Graphene Oxide-Copper Nanocomposite-Coated Porous CaP Scaffold for Vascularized Bone Regeneration via Activation of Hif-1 α . <i>Advanced Healthcare Materials</i> , 2016, 5, 1299-1309.	3.9	139
36	ROS-Responsive Mitochondria-Targeting Blended Nanoparticles: Chemo- and Photodynamic Synergistic Therapy for Lung Cancer with On-Demand Drug Release upon Irradiation with a Single Light Source. <i>Theranostics</i> , 2016, 6, 2352-2366.	4.6	137

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37	InÂvivo tumor targeting via nanoparticle-mediated therapeutic siRNA coupled to inflammatory response in lung cancer mouse models. <i>Biomaterials</i> , 2013, 34, 7744-7753.	5.7	136
38	CD44v6 Monoclonal Antibody-Conjugated Gold Nanostars for Targeted Photoacoustic Imaging and Plasmonic Photothermal Therapy of Gastric Cancer Stem-like Cells. <i>Theranostics</i> , 2015, 5, 970-984.	4.6	135
39	Circulating MiR-16-5p and MiR-19b-3p as Two Novel Potential Biomarkers to Indicate Progression of Gastric Cancer. <i>Theranostics</i> , 2015, 5, 733-745.	4.6	133
40	Detection platforms for point-of-care testing based on colorimetric, luminescent and magnetic assays: A review. <i>Talanta</i> , 2019, 202, 96-110.	2.9	133
41	pH-Sensitive self-assembling nanoparticles for tumor near-infrared fluorescence imaging and chemo-photodynamic combination therapy. <i>Nanoscale</i> , 2016, 8, 104-116.	2.8	128
42	A tumor microenvironment responsive biodegradable CaCO ₃ /MnO ₂ - based nanoplatform for the enhanced photodynamic therapy and improved PD-L1 immunotherapy. <i>Theranostics</i> , 2019, 9, 6867-6884.	4.6	126
43	Bacteria-template synthesized silver microspheres with hollow and porous structures as excellent SERS substrate. <i>Green Chemistry</i> , 2010, 12, 2038.	4.6	125
44	Multifunctional Eu ³⁺ /Gd ³⁺ dual-doped calcium phosphate vesicle-like nanospheres for sustained drug release and imaging. <i>Biomaterials</i> , 2012, 33, 6447-6455.	5.7	122
45	Mesoporous silica-coated gold nanorods with embedded indocyanine green for dual mode X-ray CT and NIR fluorescence imaging. <i>Optics Express</i> , 2011, 19, 17030.	1.7	121
46	Gold Nanoprisms as Optoacoustic Signal Nanoamplifiers for In Vivo Bioimaging of Gastrointestinal Cancers. <i>Small</i> , 2013, 9, 68-74.	5.2	121
47	Gold nanostars for efficient inÂvitra and inÂvivo real-time SERS detection and drug delivery via plasmonic-tunable Raman/FTIR imaging. <i>Biomaterials</i> , 2016, 106, 87-97.	5.7	121
48	SERS Quantification and Characterization of Proteins and Other Biomolecules. <i>Langmuir</i> , 2017, 33, 9711-9730.	1.6	121
49	Hairpin DNA-Templated Silver Nanoclusters as Novel Beacons in Strand Displacement Amplification for MicroRNA Detection. <i>Analytical Chemistry</i> , 2016, 88, 1294-1302.	3.2	113
50	Self-Assembly of Quantum Dots and Carbon Nanotubes for Ultrasensitive DNA and Antigen Detection. <i>Analytical Chemistry</i> , 2008, 80, 7996-8001.	3.2	110
51	Tumor-specific Expression of MicroRNA-26a Suppresses Human Hepatocellular Carcinoma Growth via Cyclin-dependent and -independent Pathways. <i>Molecular Therapy</i> , 2011, 19, 1521-1528.	3.7	108
52	Anti-HIF-1Î± antibody-conjugated pluronic triblock copolymers encapsulated with Paclitaxel for tumor targeting therapy. <i>Biomaterials</i> , 2010, 31, 2302-2312.	5.7	106
53	Carbon-gold hybrid nanoprobos for real-time imaging, photothermal/photodynamic and nanozyme oxidative therapy. <i>Theranostics</i> , 2019, 9, 3443-3458.	4.6	106
54	Passion fruit-like exosome-PMA/Au-BSA@Ce6 nanovehicles for real-time fluorescence imaging and enhanced targeted photodynamic therapy with deep penetration and superior retention behavior in tumor. <i>Biomaterials</i> , 2020, 230, 119606.	5.7	106

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55	Chemiluminescence of luminol catalyzed by silver nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 158-163.	5.0	105
56	Advances and Prospects on Biomolecules Functionalized Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1298-1314.	0.9	104
57	Nanoparticles for multi-modality cancer diagnosis: Simple protocol for self-assembly of gold nanoclusters mediated by gadolinium ions. <i>Biomaterials</i> , 2017, 120, 103-114.	5.7	103
58	Egg white-mediated green synthesis of silver nanoparticles with excellent biocompatibility and enhanced radiation effects on cancer cells. <i>International Journal of Nanomedicine</i> , 2012, 7, 2101.	3.3	102
59	Folic Acid-Conjugated LaF ₃ :Yb,Tm@SiO ₂ Nanoprobes for Targeting Dual-Modality Imaging of Upconversion Luminescence and X-ray Computed Tomography. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14062-14070.	1.2	101
60	MMP2-Targeting and Redox-Responsive PEGylated Chlorin e6 Nanoparticles for Cancer Near-Infrared Imaging and Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1447-1457.	4.0	101
61	End-to-end self-assembly and colorimetric characterization of gold nanorods and nanospheres via oligonucleotide hybridization. <i>Nanotechnology</i> , 2005, 16, 1776-1780.	1.3	100
62	Hierarchically assembled Au microspheres and sea urchin-like architectures: formation mechanism and SERS study. <i>Nanoscale</i> , 2012, 4, 7766.	2.8	100
63	Antibody-drug gold nanoantennas with Raman spectroscopic fingerprints for in vivo tumour theranostics. <i>Journal of Controlled Release</i> , 2014, 183, 87-93.	4.8	99
64	Glutathione-capped fluorescent gold nanoclusters for dual-modal fluorescence/X-ray computed tomography imaging. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5045.	2.9	98
65	Dual-Stimuli Responsive Nanotheranostics for Multimodal Imaging Guided Trimodal Synergistic Therapy. <i>Small</i> , 2017, 13, 1602580.	5.2	97
66	Growth of multi-amine terminated poly(amidoamine) dendrimers on the surface of carbon nanotubes. <i>Nanotechnology</i> , 2006, 17, 2483-2489.	1.3	96
67	Tumor-triggered drug release from calcium carbonate-encapsulated gold nanostars for near-infrared photodynamic/photothermal combination antitumor therapy. <i>Theranostics</i> , 2017, 7, 1650-1662.	4.6	96
68	Recent advances in lanthanide-doped upconversion nanomaterials: synthesis, nanostructures and surface modification. <i>Nanoscale</i> , 2013, 5, 11512.	2.8	94
69	Core/shell fluorescent magnetic silica-coated composite nanoparticles for bioconjugation. <i>Nanotechnology</i> , 2007, 18, 315601.	1.3	93
70	Mitochondria-targeting near-infrared light-triggered thermosensitive liposomes for localized photothermal and photodynamic ablation of tumors combined with chemotherapy. <i>Nanoscale</i> , 2017, 9, 11103-11118.	2.8	92
71	This article has been retracted. Advance and Prospect of Bionanomaterials. <i>Biotechnology Progress</i> , 2003, 19, 683-692.	1.3	91
72	Inhibition of autophagy overcomes the nanotoxicity elicited by cadmium-based quantum dots. <i>Biomaterials</i> , 2016, 78, 102-114.	5.7	91

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73	Regression of Gastric Cancer by Systemic Injection of RNA Nanoparticles Carrying both Ligand and siRNA. <i>Scientific Reports</i> , 2015, 5, 10726.	1.6	89
74	Highly Efficient Self-Healing Multifunctional Dressing with Antibacterial Activity for Sutureless Wound Closure and Infected Wound Monitoring. <i>Advanced Materials</i> , 2022, 34, e2106842.	11.1	89
75	Graphene Oxides Decorated with Carnosine as an Adjuvant To Modulate Innate Immune and Improve Adaptive Immunity <i>in Vivo</i> . <i>ACS Nano</i> , 2016, 10, 2203-2213.	7.3	87
76	Aptamer-conjugated dendrimer-modified quantum dots for cancer cell targeting and imaging. <i>Materials Letters</i> , 2010, 64, 375-378.	1.3	85
77	Ag@BSA Core/Shell Microspheres As an Electrochemical Interface for Sensitive Detection of Urinary Retinal-Binding Protein. <i>Analytical Chemistry</i> , 2012, 84, 10324-10331.	3.2	85
78	Effects of Carbon Nanotubes on Photoluminescence Properties of Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2008, 112, 939-944.	1.5	84
79	Advances and Prospect of Nanotechnology in Stem Cells. <i>Nanoscale Research Letters</i> , 2009, 4, 593-605.	3.1	82
80	A Novel Quantum Dots-Based Point of Care Test for Syphilis. <i>Nanoscale Research Letters</i> , 2010, 5, 875-881.	3.1	82
81	A prototype of giant magnetoimpedance-based biosensing system for targeted detection of gastric cancer cells. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3246-3253.	5.3	82
82	Folic acid-conjugated silica capped gold nanoclusters for targeted fluorescence/X-ray computed tomography imaging. <i>Journal of Nanobiotechnology</i> , 2013, 11, 17.	4.2	82
83	Sandwich-format ECL immunosensor based on Au star@BSA-Luminol nanocomposites for determination of human chorionic gonadotropin. <i>Biosensors and Bioelectronics</i> , 2018, 101, 219-226.	5.3	82
84	Highly sensitive sensor based on ordered porous ZnO nanosheets for ethanol detecting application. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128952.	4.0	82
85	HER2 monoclonal antibody conjugated RNase-A-associated CdTe quantum dots for targeted imaging and therapy of gastric cancer. <i>Biomaterials</i> , 2012, 33, 7093-7102.	5.7	80
86	Interleukin-22 ameliorated renal injury and fibrosis in diabetic nephropathy through inhibition of NLRP3 inflammasome activation. <i>Cell Death and Disease</i> , 2017, 8, e2937-e2937.	2.7	80
87	Identification of Volatile Biomarkers of Gastric Cancer Cells and Ultrasensitive Electrochemical Detection based on Sensing Interface of Au-Ag Alloy coated MWCNTs. <i>Theranostics</i> , 2014, 4, 154-162.	4.6	79
88	Green controllable synthesis of silver nanomaterials on graphene oxide sheets via spontaneous reduction. <i>RSC Advances</i> , 2012, 2, 3816.	1.7	78
89	pH-responsive gold nanoclusters-based nanoprobes for lung cancer targeted near-infrared fluorescence imaging and chemo-photodynamic therapy. <i>Acta Biomaterialia</i> , 2018, 68, 308-319.	4.1	78
90	Protein-directed one-pot synthesis of Ag microspheres with good biocompatibility and enhancement of radiation effects on gastric cancer cells. <i>Nanoscale</i> , 2011, 3, 3623.	2.8	76

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91	Toxicity Assessments of Near-infrared Upconversion Luminescent LaF ₃ :Yb,Er in Early Development of Zebrafish Embryos. <i>Theranostics</i> , 2013, 3, 258-266.	4.6	76
92	Nanomaterial-based SERS sensing technology for biomedical application. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3755-3774.	2.9	76
93	Bio-mimetically synthesized Ag@BSA microspheres as a novel electrochemical biosensing interface for sensitive detection of tumor cells. <i>Biosensors and Bioelectronics</i> , 2013, 41, 656-662.	5.3	74
94	Effects of Antisense-Myc-Conjugated Single-Walled Carbon Nanotubes on HL-60 Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1639-1646.	0.9	74
95	A novel HBV genotypes detecting system combined with microfluidic chip, loop-mediated isothermal amplification and GMR sensors. <i>Biosensors and Bioelectronics</i> , 2014, 54, 372-377.	5.3	73
96	Cytokine induced killer cells-assisted delivery of chlorin e6 mediated self-assembled gold nanoclusters to tumors for imaging and immuno-photodynamic therapy. <i>Biomaterials</i> , 2018, 170, 1-11.	5.7	73
97	Rolling up graphene oxide sheets into micro/nanoscrolls by nanoparticle aggregation. <i>Journal of Materials Chemistry</i> , 2012, 22, 17441.	6.7	71
98	RGD-conjugated silica-coated gold nanorods on the surface of carbon nanotubes for targeted photoacoustic imaging of gastric cancer. <i>Nanoscale Research Letters</i> , 2014, 9, 264.	3.1	71
99	Hydrophilic and blue fluorescent N-doped carbon dots from tartaric acid and various alkylol amines under microwave irradiation. <i>Nanoscale</i> , 2015, 7, 15915-15923.	2.8	70
100	DiR-labeled Embryonic Stem Cells for Targeted Imaging of <i>in vivo</i> Gastric Cancer Cells. <i>Theranostics</i> , 2012, 2, 618-628.	4.6	68
101	Dual-modified cationic liposomes loaded with paclitaxel and survivin siRNA for targeted imaging and therapy of cancer stem cells in brain glioma. <i>Drug Delivery</i> , 2018, 25, 1718-1727.	2.5	68
102	DNA-Templated Ordered Array of Gold Nanorods in One and Two Dimensions. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12572-12576.	1.5	67
103	One-pot hydrothermal synthesis of lanthanide ions doped one-dimensional upconversion submicrocrystals and their potential application in vivo CT imaging. <i>Nanoscale</i> , 2013, 5, 351-362.	2.8	66
104	Surface Functionalization of Chemically Reduced Graphene Oxide for Targeted Photodynamic Therapy. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 117-125.	0.5	66
105	Copper Selenide Nanosnakes: Bovine Serum Albumin-Assisted Room Temperature Controllable Synthesis and Characterization. <i>Nanoscale Research Letters</i> , 2010, 5, 949-956.	3.1	65
106	In vitro study of ethosome penetration in human skin and hypertrophic scar tissue. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1026-1033.	1.7	65
107	Chiral guanosine 5'-monophosphate-capped gold nanoflowers: Controllable synthesis, characterization, surface-enhanced Raman scattering activity, cellular imaging and photothermal therapy. <i>Nano Research</i> , 2012, 5, 630-639.	5.8	65
108	Cell-Penetrating Magnetic Nanoparticles for Highly Efficient Delivery and Intracellular Imaging of siRNA. <i>Biomacromolecules</i> , 2012, 13, 2723-2730.	2.6	65

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109	Selective CO Evolution from Photoreduction of CO ₂ on a Metal-Carbide-Based Composite Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 13071-13077.	6.6	65
110	Urinary exosomes-based Engineered Nanovectors for Homologously Targeted Chemo-Chemodynamic Prostate Cancer Therapy via abrogating EGFR/AKT/NF- κ B/I κ B signaling. <i>Biomaterials</i> , 2021, 275, 120946.	5.7	65
111	TET1 Exerts Its Tumor Suppressor Function by Interacting with p53-EZH2 Pathway in Gastric Cancer. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1217-1230.	0.5	64
112	Gold nanoprisms as a hybrid in vivo cancer theranostic platform for in situ photoacoustic imaging, angiography, and localized hyperthermia. <i>Nano Research</i> , 2016, 9, 1043-1056.	5.8	64
113	A Multifunctional Ribonuclease α -Conjugated CdTe Quantum Dot Cluster Nanosystem for Synchronous Cancer Imaging and Therapy. <i>Small</i> , 2010, 6, 2367-2373.	5.2	63
114	Effects of gold nanoprism-assisted human PD-L1 siRNA on both gene down-regulation and photothermal therapy on lung cancer. <i>Acta Biomaterialia</i> , 2019, 99, 307-319.	4.1	63
115	Use of quantum dot beads-labeled monoclonal antibody to improve the sensitivity of a quantitative and simultaneous immunochromatographic assay for neuron specific enolase and carcinoembryonic antigen. <i>Talanta</i> , 2017, 164, 463-469.	2.9	61
116	Enzyme-Free Electrochemical Biosensor Based on Localized DNA Cascade Displacement Reaction and Versatile DNA Nanosheets for Ultrasensitive Detection of Exosomal MicroRNA. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45648-45656.	4.0	60
117	Long α -Circulating Drug α -Dye α -Based Micelles with Ultrahigh pH α -Sensitivity for Deep Tumor Penetration and Superior Chemo α -Photothermal Therapy. <i>Advanced Functional Materials</i> , 2020, 30, 1906309.	7.8	60
118	X-ray-Based Techniques to Study the Nano α -Bio Interface. <i>ACS Nano</i> , 2021, 15, 3754-3807.	7.3	60
119	Recent developments in sensors for wearable device applications. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6037-6057.	1.9	59
120	RGD-conjugated gold nanorods induce radiosensitization in melanoma cancer cells by downregulating α v β 3 expression. <i>International Journal of Nanomedicine</i> , 2012, 7, 915.	3.3	58
121	Phase and Size Controllable Synthesis of NaYbF ₄ Nanocrystals in Oleic Acid/ Ionic Liquid Two-Phase System for Targeted Fluorescent Imaging of Gastric Cancer. <i>Theranostics</i> , 2013, 3, 210-222.	4.6	58
122	Matrix metalloproteinase 2 targeted delivery of gold nanostars decorated with IR-780 iodide for dual-modal imaging and enhanced photothermal/photodynamic therapy. <i>Acta Biomaterialia</i> , 2019, 89, 289-299.	4.1	58
123	Advances in isolation and detection of circulating tumor cells based on microfluidics. <i>Cancer Biology and Medicine</i> , 2018, 15, 335.	1.4	57
124	Covalent attachment of quantum dot on carbon nanotubes. <i>Chemical Physics Letters</i> , 2006, 417, 419-424.	1.2	56
125	Photo α -Fenton α -like Metal α -Protein Self α -Assemblies as Multifunctional Tumor Theranostic Agent. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900192.	3.9	56
126	Ag-Modified 3D Reduced Graphene Oxide Aerogel-Based Sensor with an Embedded Microheater for a Fast Response and High-Sensitive Detection of NO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25243-25252.	4.0	56

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127	High performance immunochromatographic assay for simultaneous quantitative detection of multiplex cardiac markers based on magnetic nanobeads. <i>Theranostics</i> , 2018, 8, 6121-6131.	4.6	55
128	Study on interaction between poly(amidoamine) dendrimer and CdSe nanocrystal in chloroform. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 151-156.	5.0	54
129	Dual Immunomagnetic Nanobeads-Based Lateral Flow Test Strip for Simultaneous Quantitative Detection of Carcinoembryonic Antigen and Neuron Specific Enolase. <i>Scientific Reports</i> , 2017, 7, 42414.	1.6	54
130	A flyover style microfluidic chip for highly purified magnetic cell separation. <i>Biosensors and Bioelectronics</i> , 2019, 129, 175-181.	5.3	54
131	A Novel Electrochemical Microfluidic Chip Combined with Multiple Biomarkers for Early Diagnosis of Gastric Cancer. <i>Nanoscale Research Letters</i> , 2015, 10, 477.	3.1	53
132	Gd ³⁺ -ion-induced carbon-dots self-assembly aggregates loaded with a photosensitizer for enhanced fluorescence/MRI dual imaging and antitumor therapy. <i>Nanoscale</i> , 2018, 10, 19052-19063.	2.8	53
133	Rapid developments in lateral flow immunoassay for nucleic acid detection. <i>Analyst</i> , The, 2021, 146, 1514-1528.	1.7	53
134	Genetic Variation of BCL2 (rs2279115), NEIL2 (rs804270), LTA (rs909253), PSCA (rs2294008) and PLCE1 (rs3765524, rs10509670) Genes and Their Correlation to Gastric Cancer Risk Based on Universal Tagged Arrays and Fe ₃ O ₄ Magnetic Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 2057-2066.	0.5	52
135	Allogenic dendritic cell and tumor cell fused vaccine for targeted imaging and enhanced immunotherapeutic efficacy of gastric cancer. <i>Biomaterials</i> , 2015, 54, 177-187.	5.7	52
136	Machine Learning Approach to Enhance the Performance of MNP-Labeled Lateral Flow Immunoassay. <i>Nano-Micro Letters</i> , 2019, 11, 7.	14.4	52
137	Create Nanoscale Patterns with DNA Origami. <i>Small</i> , 2019, 15, e1805554.	5.2	51
138	Monodisperse Au@Ag core-shell nanoprobe with ultrasensitive SERS-activity for rapid identification and Raman imaging of living cancer cells. <i>Talanta</i> , 2019, 198, 45-54.	2.9	50
139	MnO ₂ @Ce6-loaded mesenchymal stem cells as an "oxygen-laden guided-missile" for the enhanced photodynamic therapy on lung cancer. <i>Nanoscale</i> , 2020, 12, 3090-3102.	2.8	50
140	Information Coding in a Reconfigurable DNA Origami Domino Array. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12991-12997.	7.2	50
141	Multifunctional Dressing for Wound Diagnosis and Rehabilitation. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101292.	3.9	49
142	Functionalized gold nanorods for tumor imaging and targeted therapy. <i>Cancer Biology and Medicine</i> , 2012, 9, 221-33.	1.4	49
143	UV/O ₃ Generated Graphene Nanomesh: Formation Mechanism, Properties, and FET Studies. <i>Journal of Physical Chemistry C</i> , 2014, 118, 725-731.	1.5	48
144	Smartphone-Based Dual-Modality Imaging System for Quantitative Detection of Color or Fluorescent Lateral Flow Immunochromatographic Strips. <i>Nanoscale Research Letters</i> , 2017, 12, 291.	3.1	48

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