

Dai-Wen Pang

List of Publications by Year in descending order

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246
papers

13,849
citations

22153

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docs citations

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times ranked

14758
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Tuning of Luminescent Carbon Nanodots: From Preparation to Luminescence Mechanism. <i>Advanced Materials</i> , 2011, 23, 5801-5806.	21.0	872
2	Facile preparation of low cytotoxicity fluorescent carbon nanocrystals by electrooxidation of graphite. <i>Chemical Communications</i> , 2008, , 5116.	4.1	786
3	Photoluminescence-Tunable Carbon Nanodots: Surface-State Energy-Gap Tuning. <i>Advanced Materials</i> , 2015, 27, 1663-1667.	21.0	658
4	Ultrasmall Near-Infrared Ag ₂ Se Quantum Dots with Tunable Fluorescence for <i>in Vivo</i> Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 79-82.	13.7	313
5	Bright quantum dots emitting at $\sim 1,600$ nm in the NIR-IIb window for deep tissue fluorescence imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6590-6595.	7.1	310
6	Water-soluble Ag ₂ S quantum dots for near-infrared fluorescence imaging <i>in Vivo</i> . <i>Biomaterials</i> , 2012, 33, 5130-5135.	11.4	288
7	Quick-Response Magnetic Nanospheres for Rapid, Efficient Capture and Sensitive Detection of Circulating Tumor Cells. <i>ACS Nano</i> , 2014, 8, 941-949.	14.6	228
8	Fluorescent-Magnetic-Biotargeting Multifunctional Nanobioprobes for Detecting and Isolating Multiple Types of Tumor Cells. <i>ACS Nano</i> , 2011, 5, 761-770.	14.6	192
9	Ag ₂ Se Quantum Dots with Tunable Emission in the Second Near-Infrared Window. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1186-1189.	8.0	188
10	Emission-Tunable Near-Infrared Ag ₂ S Quantum Dots. <i>Chemistry of Materials</i> , 2012, 24, 3-5.	6.7	183
11	Sensitive and Quantitative Detection of C-Reaction Protein Based on Immunofluorescent Nanospheres Coupled with Lateral Flow Test Strip. <i>Analytical Chemistry</i> , 2016, 88, 6577-6584.	6.5	180
12	Living Yeast Cells as a Controllable Biosynthesizer for Fluorescent Quantum Dots. <i>Advanced Functional Materials</i> , 2009, 19, 2359-2364.	14.9	178
13	Shifting and non-shifting fluorescence emitted by carbon nanodots. <i>Journal of Materials Chemistry</i> , 2012, 22, 5917.	6.7	177
14	Molecularly Engineered Macrophage-Derived Exosomes with Inflammation Tropism and Intrinsic Heme Biosynthesis for Atherosclerosis Treatment. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4068-4074.	13.8	164
15	Near-Infrared Electrogenenerated Chemiluminescence of Ultrasmall Ag ₂ Se Quantum Dots for the Detection of Dopamine. <i>Analytical Chemistry</i> , 2012, 84, 8932-8935.	6.5	162
16	Colorimetric-Fluorescent-Magnetic Nanosphere-Based Multimodal Assay Platform for Salmonella Detection. <i>Analytical Chemistry</i> , 2019, 91, 1178-1184.	6.5	152
17	Strongly fluorescent hydrogels with quantum dots embedded in cellulose matrices. <i>Journal of Materials Chemistry</i> , 2009, 19, 7771.	6.7	146
18	Ultrasmall Magnetically Engineered Ag ₂ Se Quantum Dots for Instant Efficient Labeling and Whole-Body High-Resolution Multimodal Real-Time Tracking of Cell-Derived Microvesicles. <i>Journal of the American Chemical Society</i> , 2016, 138, 1893-1903.	13.7	143

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19	Cell-Targeting Multifunctional Nanospheres with both Fluorescence and Magnetism. <i>Small</i> , 2005, 1, 506-509.	10.0	142
20	Enzyme-Induced Metallization as a Signal Amplification Strategy for Highly Sensitive Colorimetric Detection of Avian Influenza Virus Particles. <i>Analytical Chemistry</i> , 2014, 86, 2752-2759.	6.5	137
21	Long-term increased grain yield and soil fertility from intercropping. <i>Nature Sustainability</i> , 2021, 4, 943-950.	23.7	137
22	Single-Virus Tracking: From Imaging Methodologies to Virological Applications. <i>Chemical Reviews</i> , 2020, 120, 1936-1979.	47.7	131
23	Magnetic and Folate Functionalization Enables Rapid Isolation and Enhanced Tumor-Targeting of Cell-Derived Microvesicles. <i>ACS Nano</i> , 2017, 11, 277-290.	14.6	130
24	Dual-Signal Readout Nanospheres for Rapid Point-of-Care Detection of Ebola Virus Glycoprotein. <i>Analytical Chemistry</i> , 2017, 89, 13105-13111.	6.5	128
25	Effectively and Efficiently Dissecting the Infection of Influenza Virus by Quantum-Dot-Based Single-Particle Tracking. <i>ACS Nano</i> , 2012, 6, 141-150.	14.6	127
26	One-Step Sensitive Detection of <i>Salmonella typhimurium</i> by Coupling Magnetic Capture and Fluorescence Identification with Functional Nanospheres. <i>Analytical Chemistry</i> , 2013, 85, 1223-1230.	6.5	125
27	Imaging Viral Behavior in Mammalian Cells with Self-Assembled Capsid-Quantum Dot Hybrid Particles. <i>Small</i> , 2009, 5, 718-726.	10.0	120
28	Uniform Fluorescent Nanobioprobes for Pathogen Detection. <i>ACS Nano</i> , 2014, 8, 5116-5124.	14.6	120
29	A Method for the Fabrication of Low-Noise Carbon Fiber Nanoelectrodes. <i>Analytical Chemistry</i> , 2001, 73, 1048-1052.	6.5	114
30	Detection of SARS-CoV-2 by CRISPR/Cas12a-Enhanced Colorimetry. <i>ACS Sensors</i> , 2021, 6, 1086-1093.	7.8	108
31	Tracking single viruses infecting their host cells using quantum dots. <i>Chemical Society Reviews</i> , 2016, 45, 1211-1224.	38.1	106
32	Plasmonic and Photothermal Immunoassay via Enzyme-Triggered Crystal Growth on Gold Nanostars. <i>Analytical Chemistry</i> , 2019, 91, 2086-2092.	6.5	103
33	Mechanism-Oriented Controllability of Intracellular Quantum Dots Formation: The Role of Glutathione Metabolic Pathway. <i>ACS Nano</i> , 2013, 7, 2240-2248.	14.6	96
34	A colorimetric and electrochemical immunosensor for point-of-care detection of enterovirus 71. <i>Biosensors and Bioelectronics</i> , 2018, 99, 186-192.	10.1	94
35	Fluorescent/magnetic micro/nano-spheres based on quantum dots and/or magnetic nanoparticles: preparation, properties, and their applications in cancer studies. <i>Nanoscale</i> , 2016, 8, 12406-12429.	5.6	93
36	Clathrin-Mediated Endocytosis in Living Host Cells Visualized through Quantum Dot Labeling of Infectious Hematopoietic Necrosis Virus. <i>Journal of Virology</i> , 2011, 85, 6252-6262.	3.4	92

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37	Intercropping maintains soil fertility in terms of chemical properties and enzyme activities on a timescale of one decade. <i>Plant and Soil</i> , 2015, 391, 265-282.	3.7	89
38	Transformation of Cellâ€Derived Microparticles into Quantumâ€Dotâ€Labeled Nanovectors for Antitumor siRNA Delivery. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1036-1040.	13.8	86
39	Mechanofluorochromic Carbon Nanodots: Controllable Pressureâ€Triggered Blueâ€and Redâ€Shifted Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1893-1897.	13.8	86
40	Revealing Carbon Nanodots As Coreactants of the Anodic Electrochemiluminescence of Ru(bpy) ₃ ²⁺ . <i>Analytical Chemistry</i> , 2014, 86, 7224-7228.	6.5	83
41	DNA-stabilized silver nanoclusters and carbon nanoparticles oxide: A sensitive platform for label-free fluorescence turn-on detection of HIV-DNA sequences. <i>Biosensors and Bioelectronics</i> , 2016, 85, 837-843.	10.1	82
42	Intercropping Enhances Productivity and Maintains the Most Soil Fertility Properties Relative to Sole Cropping. <i>PLoS ONE</i> , 2014, 9, e113984.	2.5	79
43	Real-Time Monitoring of Nitric Oxide at Single-Cell Level with Porphyrin-Functionalized Graphene Field-Effect Transistor Biosensor. <i>Analytical Chemistry</i> , 2016, 88, 11115-11122.	6.5	78
44	Ultrasmall Pb:Ag ₂ S Quantum Dots with Uniform Particle Size and Bright Tunable Fluorescence in the NIRâ€Window. <i>Small</i> , 2018, 14, e1703296.	10.0	78
45	Holographic Optical Tweezers and Boosting Upconversion Luminescent Resonance Energy Transfer Combined Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR)/Cas12a Biosensors. <i>ACS Nano</i> , 2021, 15, 8142-8154.	14.6	78
46	A micropillarâ€integrated smart microfluidic device for specific capture and sorting of cells. <i>Electrophoresis</i> , 2007, 28, 4713-4722.	2.4	77
47	A Simple Point-of-Care Microfluidic Immunomagnetic Fluorescence Assay for Pathogens. <i>Analytical Chemistry</i> , 2013, 85, 2645-2651.	6.5	77
48	A chip assisted immunomagnetic separation system for the efficient capture and in situ identification of circulating tumor cells. <i>Lab on A Chip</i> , 2016, 16, 1214-1223.	6.0	75
49	A field effect transistor modified with reduced graphene oxide for immunodetection of Ebola virus. <i>Mikrochimica Acta</i> , 2019, 186, 223.	5.0	74
50	Robust and Highly Sensitive Fluorescence Approach for Point-of-Care Virus Detection Based on Immunomagnetic Separation. <i>Analytical Chemistry</i> , 2012, 84, 2358-2365.	6.5	73
51	An efficient edge-functionalization method to tune the photoluminescence of graphene quantum dots. <i>Nanoscale</i> , 2015, 7, 5969-5973.	5.6	73
52	Reliable Digital Single Molecule Electrochemistry for Ultrasensitive Alkaline Phosphatase Detection. <i>Analytical Chemistry</i> , 2016, 88, 9166-9172.	6.5	73
53	Stable CsPbBr ₃ perovskite quantum dots with high fluorescence quantum yields. <i>New Journal of Chemistry</i> , 2018, 42, 9496-9500.	2.8	71
54	Cell Membraneâ€Camouflaged NIR II Fluorescent Ag ₂ Te Quantum Dotsâ€Based Nanobioprobes for Enhanced In Vivo Homotypic Tumor Imaging. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900341.	7.6	68

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55	Digital Single Virus Immunoassay for Ultrasensitive Multiplex Avian Influenza Virus Detection Based on Fluorescent Magnetic Multifunctional Nanospheres. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5762-5770.	8.0	66
56	Optically Encoded Multifunctional Nanospheres for One-Pot Separation and Detection of Multiplex DNA Sequences. <i>Analytical Chemistry</i> , 2013, 85, 11929-11935.	6.5	65
57	Breaking through the Size Control Dilemma of Silver Chalcogenide Quantum Dots via Trialkylphosphine-Induced Ripening: Leading to Ag ₂ Te Emitting from 950 to 2100 nm. <i>Journal of the American Chemical Society</i> , 2021, 143, 12867-12877.	13.7	65
58	Fluorescence-Enhancing Carbon Nanodots-Hybridized Silica Nanosphere. <i>Small</i> , 2016, 12, 4702-4706.	10.0	63
59	Wheat Germ Agglutinin-Modified Trifunctional Nanospheres for Cell Recognition. <i>Bioconjugate Chemistry</i> , 2007, 18, 1749-1755.	3.6	62
60	Visualizing the endocytic and exocytic processes of wheat germ agglutinin by quantum dot-based single-particle tracking. <i>Biomaterials</i> , 2011, 32, 7616-7624.	11.4	62
61	Lectin-modified trifunctional nanobiosensors for mapping cell surface glycoconjugates. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1311-1317.	10.1	61
62	High-efficiency dual labeling of influenza virus for single-virus imaging. <i>Biomaterials</i> , 2012, 33, 7828-7833.	11.4	61
63	Real-Time Dissection of Distinct Dynamin-Dependent Endocytic Routes of Influenza A Virus by Quantum Dot-Based Single-Virus Tracking. <i>ACS Nano</i> , 2017, 11, 4395-4406.	14.6	61
64	Near-Infrared Fluorescent Ag ₂ Se/Cetuximab Nanoprobes for Targeted Imaging and Therapy of Cancer. <i>Small</i> , 2017, 13, 1602309.	10.0	61
65	Surface Sensitive Photoluminescence of Carbon Nanodots: Coupling between the Carbonyl Group and π -Electron System. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3621-3629.	4.6	61
66	Visual Recognition and Efficient Isolation of Apoptotic Cells with Fluorescent-Magnetic-Biotargeting Multifunctional Nanospheres. <i>Clinical Chemistry</i> , 2007, 53, 2177-2185.	3.2	60
67	Electrochemical oxidation of DNA at a gold microelectrode. <i>Electroanalysis</i> , 1995, 7, 774-777.	2.9	59
68	Combination of dynamic magnetophoretic separation and stationary magnetic trap for highly sensitive and selective detection of Salmonella typhimurium in complex matrix. <i>Biosensors and Bioelectronics</i> , 2015, 74, 628-636.	10.1	59
69	A "Driver Switchover" Mechanism of Influenza Virus Transport from Microfilaments to Microtubules. <i>ACS Nano</i> , 2018, 12, 474-484.	14.6	59
70	Ultrasensitive Ebola Virus Detection Based on Electroluminescent Nanospheres and Immunomagnetic Separation. <i>Analytical Chemistry</i> , 2017, 89, 2039-2048.	6.5	58
71	Quantum Dot Based Biotracking and Biodetection. <i>Analytical Chemistry</i> , 2019, 91, 532-547.	6.5	58
72	A multicomponent recognition and separation system established via fluorescent, magnetic, dualencoded multifunctional bioprobes. <i>Biomaterials</i> , 2011, 32, 1177-1184.	11.4	57

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73	A boosting upconversion luminescent resonance energy transfer and biomimetic periodic chip integrated CRISPR/Cas12a biosensor for functional DNA regulated transduction of non-nucleic acid targets. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112650.	10.1	57
74	Photoinduced Electron Transfer Mediated by Coordination between Carboxyl on Carbon Nanodots and Cu ²⁺ Quenching Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3662-3668.	3.1	56
75	The quantitative detection of total HER2 load by quantum dots and the identification of a new subtype of breast cancer with different 5-year prognosis. <i>Biomaterials</i> , 2010, 31, 8818-8825.	11.4	55
76	Bifunctional magnetic nanobeads for sensitive detection of avian influenza A (H7N9) virus based on immunomagnetic separation and enzyme-induced metallization. <i>Biosensors and Bioelectronics</i> , 2015, 68, 586-592.	10.1	54
77	Digital Single Virus Electrochemical Enzyme-Linked Immunoassay for Ultrasensitive H7N9 Avian Influenza Virus Counting. <i>Analytical Chemistry</i> , 2018, 90, 1683-1690.	6.5	53
78	A virus-induced kidney disease model based on organ-on-a-chip: Pathogenesis exploration of virus-related renal dysfunctions. <i>Biomaterials</i> , 2019, 219, 119367.	11.4	53
79	Ebola Virus Aptamers: From Highly Efficient Selection to Application on Magnetism-Controlled Chips. <i>Analytical Chemistry</i> , 2019, 91, 3367-3373.	6.5	53
80	Myosin-Driven Intercellular Transportation of Wheat Germ Agglutinin Mediated by Membrane Nanotubes between Human Lung Cancer Cells. <i>ACS Nano</i> , 2012, 6, 10033-10041.	14.6	52
81	Nanosphere-based one-step strategy for efficient and nondestructive detection of circulating tumor cells. <i>Biosensors and Bioelectronics</i> , 2017, 94, 219-226.	10.1	52
82	Globally Visualizing the Microtubule-Dependent Transport Behaviors of Influenza Virus in Live Cells. <i>Analytical Chemistry</i> , 2014, 86, 3902-3908.	6.5	51
83	Chip-Assisted Single-Cell Biomarker Profiling of Heterogeneous Circulating Tumor Cells Using Multifunctional Nanospheres. <i>Analytical Chemistry</i> , 2018, 90, 10518-10526.	6.5	50
84	One-to-Many Single Entity Electrochemistry Biosensing for Ultrasensitive Detection of microRNA. <i>Analytical Chemistry</i> , 2020, 92, 853-858.	6.5	50
85	Photocatalysis-Induced Renewable Field-Effect Transistor for Protein Detection. <i>Analytical Chemistry</i> , 2016, 88, 4048-4054.	6.5	49
86	Efficient Enrichment and Analyses of Bacteria at Ultralow Concentration with Quick-Response Magnetic Nanospheres. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9416-9425.	8.0	49
87	Pathological hydrogen peroxide triggers the fibrillization of wild-type SOD1 via sulfenic acid modification of Cys-111. <i>Cell Death and Disease</i> , 2018, 9, 67.	6.3	49
88	Labeling the nucleocapsid of enveloped baculovirus with quantum dots for single-virus tracking. <i>Biomaterials</i> , 2014, 35, 2295-2301.	11.4	48
89	Folate-Engineered Microvesicles for Enhanced Target and Synergistic Therapy toward Breast Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5100-5108.	8.0	48
90	Multifunctional Screening Platform for the Highly Efficient Discovery of Aptamers with High Affinity and Specificity. <i>Analytical Chemistry</i> , 2017, 89, 6535-6542.	6.5	47

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91	Fast and High-Accuracy Localization for Three-Dimensional Single-Particle Tracking. <i>Scientific Reports</i> , 2013, 3, 2462.	3.3	46
92	Ultrasensitive Electrochemiluminescence Biosensor Based on Closed Bipolar Electrode for Alkaline Phosphatase Detection in Single Liver Cancer Cell. <i>Analytical Chemistry</i> , 2021, 93, 1757-1763.	6.5	46
93	Energy-Level-Related Response of Cathodic Electrogenerated-Chemiluminescence of Self-Assembled CdSe/ZnS Quantum Dot Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18822-18828.	3.1	45
94	Quantum-dots based simultaneous detection of multiple biomarkers of tumor stromal features to predict clinical outcomes in gastric cancer. <i>Biomaterials</i> , 2012, 33, 5742-5752.	11.4	45
95	Rapid detection and subtyping of multiple influenza viruses on a microfluidic chip integrated with controllable micro-magnetic field. <i>Biosensors and Bioelectronics</i> , 2018, 100, 348-354.	10.1	45
96	Gd-DTPA-coupled Ag ₂ Se quantum dots for dual-modality magnetic resonance imaging and fluorescence imaging in the second near-infrared window. <i>Nanoscale</i> , 2018, 10, 10699-10704.	5.6	45
97	Ultrasensitive electrochemical detection of microRNA-21 with wide linear dynamic range based on dual signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 131, 267-273.	10.1	45
98	Indirect immunofluorescence detection of E. coli O157:H7 with fluorescent silica nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 66, 95-102.	10.1	44
99	Electrochemical Methods to Study Photoluminescent Carbon Nanodots: Preparation, Photoluminescence Mechanism and Sensing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28372-28382.	8.0	44
100	Quantum Dots: A Promising Fluorescent Label for Probing Virus Trafficking. <i>Accounts of Chemical Research</i> , 2021, 54, 2991-3002.	15.6	44
101	Near-Infrared Quantum Dots for In Vivo Imaging and Cancer Therapy. <i>Small</i> , 2022, 18, e2104567.	10.0	44
102	Simultaneous Point-of-Care Detection of Enterovirus 71 and Coxsackievirus B3. <i>Analytical Chemistry</i> , 2015, 87, 11105-11112.	6.5	43
103	Surface Labeling of Enveloped Viruses Assisted by Host Cells. <i>ACS Chemical Biology</i> , 2012, 7, 683-688.	3.4	42
104	Self-biotinylation and site-specific double labeling of baculovirus using quantum dots for single-virus in-situ tracking. <i>Biomaterials</i> , 2013, 34, 7506-7518.	11.4	42
105	Clicking Hydrazine and Aldehyde: The Way to Labeling of Viruses with Quantum Dots. <i>ACS Nano</i> , 2015, 9, 11750-11760.	14.6	42
106	MnCaCs-Biomineralized Oncolytic Virus for Bimodal Imaging-Guided and Synergistically Enhanced Anticancer Therapy. <i>Nano Letters</i> , 2019, 19, 8002-8009.	9.1	41
107	Controlling the Magnetic Field Distribution on the Micrometer Scale and Generation of Magnetic Bead Patterns for Microfluidic Applications. <i>Langmuir</i> , 2011, 27, 5147-5156.	3.5	40
108	Fluorescent magnetic dual-encoded nanospheres: a promising tool for fast-simultaneous-addressable high-throughput analysis. <i>Nanotechnology</i> , 2012, 23, 035602.	2.6	40

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109	Near-infrared Ag ₂ Se quantum dots with distinct absorption features and high fluorescence quantum yields. <i>RSC Advances</i> , 2016, 6, 38183-38186.	3.6	40
110	Labeling viral envelope lipids with quantum dots by harnessing the biotinylated lipid-self-inserted cellular membrane. <i>Biomaterials</i> , 2016, 106, 69-77.	11.4	40
111	Three-Dimensional Tracking of Rab5- and Rab7-Associated Infection Process of Influenza Virus. <i>Small</i> , 2014, 10, 4746-4753.	10.0	37
112	Biofunctionalized magnetic nanospheres-based cell sorting strategy for efficient isolation, detection and subtype analyses of heterogeneous circulating hepatocellular carcinoma cells. <i>Biosensors and Bioelectronics</i> , 2016, 85, 633-640.	10.1	36
113	Spectrally Combined Encoding for Profiling Heterogeneous Circulating Tumor Cells Using a Multifunctional Nanosphere-Mediated Microfluidic Platform. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11240-11244.	13.8	36
114	Quantum Dots-Based Quantitative and In Situ Multiple Imaging on Ki67 and Cytokeratin to Improve Ki67 Assessment in Breast Cancer. <i>PLoS ONE</i> , 2015, 10, e0122734.	2.5	36
115	Multipole-plasmon-enhanced Förster energy transfer between semiconductor quantum dots via dual-resonance nanoantenna effects. <i>Applied Physics Letters</i> , 2010, 96, 043106.	3.3	35
116	Clickable Gold Nanoparticles as the Building Block of Nanobioprobes. <i>Langmuir</i> , 2010, 26, 10171-10176.	3.5	34
117	Controllable synthesis of PbSe nanocubes in aqueous phase using a quasi-biosystem. <i>Journal of Materials Chemistry</i> , 2012, 22, 3713.	6.7	34
118	Cytotoxicity of nucleus-targeting fluorescent gold nanoclusters. <i>Nanoscale</i> , 2014, 6, 13126-13134.	5.6	34
119	Dual Amplification Fluorescence Assay for Alpha Fetal Protein Utilizing Immunohybridization Chain Reaction and Metal-Enhanced Fluorescence of Carbon Nanodots. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37606-37614.	8.0	34
120	Assembly-enhanced fluorescence from metal nanoclusters and quantum dots for highly sensitive biosensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 334-341.	7.8	33
121	Synthesis of sub-5 nm Au-Ag alloy nanoparticles using bio-reducing agent in aqueous solution. <i>Journal of Materials Chemistry</i> , 2011, 21, 17080.	6.7	32
122	One-to-one quantum dot-labeled single long DNA probes. <i>Biomaterials</i> , 2011, 32, 5471-5477.	11.4	32
123	Rapid and Quantitative Detection of Avian Influenza A(H7N9) Virions in Complex Matrices Based on Combined Magnetic Capture and Quantum Dot Labeling. <i>Small</i> , 2015, 11, 5280-5288.	10.0	32
124	Single-Particle Tracking Reveals the Sequential Entry Process of the Bunyavirus Severe Fever with Thrombocytopenia Syndrome Virus. <i>Small</i> , 2019, 15, e1803788.	10.0	31
125	Electrochemical Monitoring of Hydrogen Sulfide Release from Single Cells. <i>ChemElectroChem</i> , 2016, 3, 1998-2002.	3.4	30
126	Simultaneous Visualization of Parental and Progeny Viruses by a Capsid-Specific HaloTag Labeling Strategy. <i>ACS Nano</i> , 2016, 10, 1147-1155.	14.6	30

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127	Combining Holographic Optical Tweezers with Upconversion Luminescence Encoding: Imaging-Based Stable Suspension Array for Sensitive Responding of Dual Cancer Biomarkers. <i>Analytical Chemistry</i> , 2018, 90, 2639-2647.	6.5	30
128	Glucose-functionalized near-infrared Ag ₂ Se quantum dots with renal excretion ability for long-term <i>in vivo</i> tumor imaging. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5782-5788.	5.8	30
129	Droplet-based microreactor for synthesis of water-soluble Ag ₂ S quantum dots. <i>Nanotechnology</i> , 2015, 26, 275701.	2.6	28
130	Metal-enhanced fluorescence of gold nanoclusters as a sensing platform for multi-component detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 650-658.	7.8	28
131	Phase Separation and Cytotoxicity of Tau are Modulated by Protein Disulfide Isomerase and S-nitrosylation of this Molecular Chaperone. <i>Journal of Molecular Biology</i> , 2020, 432, 2141-2163.	4.2	28
132	Dissecting the Factors Affecting the Fluorescence Stability of Quantum Dots in Live Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8401-8408.	8.0	27
133	Effect of POE-g-GMA on mechanical, rheological and thermal properties of poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502	3.3	27
134	Quantitatively Switchable pH-Sensitive Photoluminescence of Carbon Nanodots. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2727-2735.	4.6	27
135	One-Step Monitoring of Multiple Enterovirus 71 Infection-Related MicroRNAs Using Core-Satellite Structure of Magnetic Nanobeads and Multicolor Quantum Dots. <i>Analytical Chemistry</i> , 2020, 92, 830-837.	6.5	26
136	Quantum dot-based quantitative immunofluorescence detection and spectrum analysis of epidermal growth factor receptor in breast cancer tissue arrays. <i>International Journal of Nanomedicine</i> , 2011, 6, 2265.	6.7	25
137	Exploring Sialic Acid Receptors-Related Infection Behavior of Avian Influenza Virus in Human Bronchial Epithelial Cells by Single-Particle Tracking. <i>Small</i> , 2014, 10, 2712-2720.	10.0	24
138	Biometallization-Based Electrochemical Magnetoimmunosensing Strategy for Avian Influenza A (H7N9) Virus Particle Detection. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1387-1393.	3.3	24
139	Lipid-Specific Labeling of Enveloped Viruses with Quantum Dots for Single-Virus Tracking. <i>MBio</i> , 2020, 11, .	4.1	24
140	Ag ₂ Te Quantum Dots as Contrast Agents for Near-Infrared Fluorescence and Computed Tomography Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 6071-6077.	5.0	24
141	Fluorescence Detection of H5N1 Virus Gene Sequences Based on Optical Tweezers with Two-Photon Excitation Using a Single Near Infrared Nanosecond Pulse Laser. <i>Analytical Chemistry</i> , 2016, 88, 4432-4439.	6.5	23
142	Transformation of Viral Light Particles into Near-Infrared Fluorescence Quantum Dot-Labeled Active Tumor-Targeting Nanovectors for Drug Delivery. <i>Nano Letters</i> , 2019, 19, 7035-7042.	9.1	23
143	Kinetics-Controlled Formation of Gold Clusters Using a Quasi-Biological System. <i>Advanced Functional Materials</i> , 2010, 20, 3673-3677.	14.9	22
144	Control of magnetic field distribution by using nickel powder@PDMS pillars in microchannels. <i>RSC Advances</i> , 2014, 4, 17660-17666.	3.6	22

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