

Dai-Wen Pang

List of Publications by Year in descending order

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Version: 2024-02-01

246
papers

13,849
citations

22153

59
h-index

27406

106
g-index

250
all docs

250
docs citations

250
times ranked

14758
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificially regulated synthesis of nanocrystals in live cells. <i>National Science Review</i> , 2022, 9, .	9.5	10
2	Near-Infrared Quantum Dots for In Vivo Imaging and Cancer Therapy. <i>Small</i> , 2022, 18, e2104567.	10.0	44
3	Spatiotemporal Quantification of Endosomal Acidification on the Viral Journey. <i>Small</i> , 2022, 18, e2104200.	10.0	5
4	Sphingomyelin-Sequestered Cholesterol Domain Recruits Formin-Binding Protein 17 for Constricting Clathrin-Coated Pits in Influenza Virus Entry. <i>Journal of Virology</i> , 2022, 96, JVI0181321.	3.4	6
5	Quantum Dot-Based Dual-Color In Situ Fluorescence Imaging of the Coevolution of CD68 and CD47 in Breast Cancer. <i>ACS Applied Nano Materials</i> , 2022, 5, 1200-1208.	5.0	1
6	Ultrasmall MnSe Nanoparticles as ¹ T ₁ -MRI Contrast Agents for In Vivo Tumor Imaging. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11167-11176.	8.0	9
7	How different are the surfaces of semiconductor Ag ₂ Se quantum dots with various sizes?. <i>Science Bulletin</i> , 2022, 67, 619-625.	9.0	5
8	Uncovering the F-Actin-Based Nuclear Egress Mechanism of Newly Synthesized Influenza A Virus Ribonucleoprotein Complexes by Single-Particle Tracking. <i>Analytical Chemistry</i> , 2022, 94, 5624-5633.	6.5	4
9	Quantum Dots Tracking Endocytosis and Transport of Proteins Displayed by Mammalian Cells. <i>Analytical Chemistry</i> , 2022, 94, 7567-7575.	6.5	9
10	Quantum Dots with a Compact Amphiphilic Zwitterionic Coating. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28097-28104.	8.0	3
11	Immunoprofiling of Severity and Stage of Bacterial Infectious Diseases by Ultrabright Fluorescent Nanosphere-Based Dyad Test Strips. <i>Analytical Chemistry</i> , 2022, 94, 8818-8826.	6.5	10
12	Optical tweezers assisted analyzing and sorting of tumor cells tagged with fluorescence nanospheres in a microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132173.	7.8	4
13	A near-infrared-II fluorescence anisotropy strategy for separation-free detection of adenosine triphosphate in complex media. <i>Talanta</i> , 2021, 223, 121721.	5.5	5
14	Real-Time Dissecting the Dynamics of Drug Transportation in the Live Brain. <i>Nano Letters</i> , 2021, 21, 642-650.	9.1	11
15	Surface chemistry tuning the selectivity of carbon nanodots towards Hg ²⁺ recognition. <i>Analytica Chimica Acta</i> , 2021, 1146, 33-40.	5.4	7
16	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
17	Influenza A Viruses Enter Host Cells via Extracellular Ca ²⁺ Influx-Involved Clathrin-Mediated Endocytosis. <i>ACS Applied Bio Materials</i> , 2021, 4, 2044-2051.	4.6	10
18	Precision photothermal therapy and photoacoustic imaging by in situ activatable thermoplasmonics. <i>Chemical Science</i> , 2021, 12, 10097-10105.	7.4	21

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19	Quantitatively Switchable pH-Sensitive Photoluminescence of Carbon Nanodots. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2727-2735.	4.6	27
20	Detection of SARS-CoV-2 by CRISPR/Cas12a-Enhanced Colorimetry. <i>ACS Sensors</i> , 2021, 6, 1086-1093.	7.8	108
21	Revealing Microtubule-Dependent Slow-Directed Motility by Single-Particle Tracking. <i>Analytical Chemistry</i> , 2021, 93, 5211-5217.	6.5	4
22	Accurate and Efficient Lipoprotein Detection Based on the HCR-DNAzyme Platform. <i>Analytical Chemistry</i> , 2021, 93, 6128-6134.	6.5	13
23	Size-Resolved Single Entity Collision Biosensing for Dual Quantification of MicroRNAs in a Single Run. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22254-22261.	8.0	7
24	Quantum Dots: A Promising Fluorescent Label for Probing Virus Trafficking. <i>Accounts of Chemical Research</i> , 2021, 54, 2991-3002.	15.6	44
25	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
26	Visualization of Vaccine Dynamics with Quantum Dots for Immunotherapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24275-24283.	13.8	22
27	Biomimetic Chip Enhanced Time-Gated Luminescent CRISPR-Cas12a Biosensors under Functional DNA Regulation. <i>Analytical Chemistry</i> , 2021, 93, 12514-12523.	6.5	12
28	Visualization of Vaccine Dynamics with Quantum Dots for Immunotherapy. <i>Angewandte Chemie</i> , 2021, 133, 24477-24485.	2.0	3
29	In-situ quantitation of genome release of Japanese encephalitis viruses by quantum dot-based single-virus tracking. <i>Nano Today</i> , 2021, 40, 101271.	11.9	7
30	Current status and future trends of vaccine development against viral infection and disease. <i>New Journal of Chemistry</i> , 2021, 45, 7437-7449.	2.8	2
31	Precise selection of aptamers targeting PD-L1 positive small extracellular vesicles on magnetic chips. <i>Chemical Communications</i> , 2021, 57, 3555-3558.	4.1	7
32	Proximity-induced exponential amplification reaction triggered by proteins and small molecules. <i>Chemical Communications</i> , 2021, 57, 4714-4717.	4.1	4
33	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
34	Host-cell-assisted construction of a folate-engineered nanocarrier based on viral light particles for targeted cancer therapy. <i>Nanoscale</i> , 2021, 13, 17881-17889.	5.6	1
35	Water-Soluble High-Quality Ag ₂ Te Quantum Dots Prepared by Mutual Adaptation of Synthesis and Surface Modification for In Vivo Imaging. <i>ACS Applied Bio Materials</i> , 2021, 4, 7692-7700.	4.6	11
36	Long-term increased grain yield and soil fertility from intercropping. <i>Nature Sustainability</i> , 2021, 4, 943-950.	23.7	137

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37	Regulation of Silver Precursor Reactivity via Tertiary Phosphine to Synthesize Near-Infrared Ag ₂ Te with Photoluminescence Quantum Yield of up to 14.7%. <i>Chemistry of Materials</i> , 2021, 33, 9524-9533.	6.7	10
38	Real-Time Monitoring of Temperature Variations around a Gold Nanobipyramid Targeted Cancer Cell under Photothermal Heating by Actively Manipulating an Optically Trapped Luminescent Upconversion Microparticle. <i>Analytical Chemistry</i> , 2020, 92, 1292-1300.	6.5	17
39	Chemoenzymatic Labeling of Extracellular Vesicles for Visualizing Their Cellular Internalization in Real Time. <i>Analytical Chemistry</i> , 2020, 92, 2103-2111.	6.5	13
40	Molecularly Engineered Macrophage-Derived Exosomes with Inflammation Tropism and Intrinsic Heme Biosynthesis for Atherosclerosis Treatment. <i>Angewandte Chemie</i> , 2020, 132, 4097-4103.	2.0	14
41	Neutralizing Mutations Significantly Inhibit Amyloid Formation by Human Prion Protein and Decrease Its Cytotoxicity. <i>Journal of Molecular Biology</i> , 2020, 432, 828-844.	4.2	19
42	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
43	Integrating 808 nm Light-Excited Upconversion Luminescence Powering with DNA Tetrahedron Protection: An Exceptionally Precise and Stable Nanomachine for Intracellular MicroRNA Tracing. <i>ACS Sensors</i> , 2020, 5, 199-207.	7.8	17
44	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
45	One-to-Many Single Entity Electrochemistry Biosensing for Ultrasensitive Detection of microRNA. <i>Analytical Chemistry</i> , 2020, 92, 853-858.	6.5	50
46	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
47	A salt-out strategy for purification of amphiphilic polymer-coated quantum dots. <i>New Journal of Chemistry</i> , 2020, 44, 15341-15344.	2.8	1
48	Lipid-Specific Labeling of Enveloped Viruses with Quantum Dots for Single-Virus Tracking. <i>MBio</i> , 2020, 11, .	4.1	24
49	Spectrally Combined Encoding for Profiling Heterogeneous Circulating Tumor Cells Using a Multifunctional Nanosphere-Mediated Microfluidic Platform. <i>Angewandte Chemie</i> , 2020, 132, 11336-11340.	2.0	4
50	Interfacial Synthesis of Ag ₂ S/ZnS Core/Shell Quantum Dots in a Droplet Microreactor. <i>ChemistrySelect</i> , 2020, 5, 5889-5894.	1.5	10
51	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
52	A method for the statistical evaluation of the fluorescence intensity of single blinking quantum dots using a confocal fluorescence microscope. <i>Analyst</i> , 2020, 145, 3131-3135.	3.5	2
53	A liquid biopsy-guided drug release system for cancer theranostics: integrating rapid circulating tumor cell detection and precision tumor therapy. <i>Lab on A Chip</i> , 2020, 20, 1418-1425.	6.0	15
54	Improving Flow Bead Assay: Combination of Near-Infrared Optical Tweezers Stabilizing and Upconversion Luminescence Encoding. <i>Analytical Chemistry</i> , 2020, 92, 5258-5266.	6.5	12

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55	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
56	Designer cell-self-implemented labeling of microvesicles in situ with the intracellular-synthesized quantum dots. <i>Science China Chemistry</i> , 2020, 63, 448-453.	8.2	10
57	Chlorophyll-Based Near-Infrared Fluorescent Nanocomposites: Preparation and Optical Properties. <i>ACS Omega</i> , 2020, 5, 14261-14266.	3.5	3
58	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
59	Single-Virus Tracking: From Imaging Methodologies to Virological Applications. <i>Chemical Reviews</i> , 2020, 120, 1936-1979.	47.7	131
60	CdZnSeS quantum dots condensed with ordered mesoporous carbon for high-sensitive electrochemiluminescence detection of hydrogen peroxide in live cells. <i>Electrochimica Acta</i> , 2020, 362, 137107.	5.2	19
61	Incorporating luminescence-concentrating upconversion nanoparticles and DNA walkers into optical tweezers assisted imaging: a highly stable and ultrasensitive bead supported assay. <i>Chemical Communications</i> , 2020, 56, 6997-7000.	4.1	12
62	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
63	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
64	Absolute quantification of particle number concentration using a digital single particle counting system. <i>Mikrochimica Acta</i> , 2019, 186, 529.	5.0	0
65	Nanoscale & Nanoscale Advances joint themed collection on nanocarbons. <i>Nanoscale</i> , 2019, 11, 14097-14098.	5.6	1
66	MnCaCs-Biomaterialized Oncolytic Virus for Bimodal Imaging-Guided and Synergistically Enhanced Anticancer Therapy. <i>Nano Letters</i> , 2019, 19, 8002-8009.	9.1	41
67	Magnetic Chip Based Extracorporeal Circulation: A New Tool for Circulating Tumor Cell in Vivo Detection. <i>Analytical Chemistry</i> , 2019, 91, 15260-15266.	6.5	21
68	Microvesicle detection by a reduced graphene oxide field-effect transistor biosensor based on a membrane biotinylation strategy. <i>Analyst</i> , 2019, 144, 6055-6063.	3.5	15
69	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
70	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
71	Cell Membrane-Camouflaged NIR II Fluorescent Ag ₂ Te Quantum Dots-Based Nanobioprobes for Enhanced <i>In Vivo</i> Homotypic Tumor Imaging. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900341.	7.6	68
72	Breaking Through Bead-Supported Assay: Integration of Optical Tweezers Assisted Fluorescence Imaging and Luminescence Confined Upconversion Nanoparticles Triggered Luminescent Resonance Energy Transfer (LRET). <i>Analytical Chemistry</i> , 2019, 91, 7950-7957.	6.5	21

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73	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
74	Economical synthesis of ultra-small Bi_2S_3 nanoparticles for high-sensitive CT imaging. <i>Materials Research Express</i> , 2019, 6, 095005.	1.6	6
75	Coating Magnetic Nanospheres with PEG To Reduce Nonspecific Adsorption on Cells. <i>ACS Omega</i> , 2019, 4, 7391-7399.	3.5	14
76	Multifunctional Cellular Beacons with in Situ Synthesized Quantum Dots Make Pathogen Detectable with the Naked Eye. <i>Analytical Chemistry</i> , 2019, 91, 7280-7287.	6.5	16
77	Ultrasmall Quantum Dots with Broad λ -Spectrum Metal Doping Ability for Trimodal Molecular Imaging. <i>Advanced Functional Materials</i> , 2019, 29, 1901671.	14.9	16
78	Controlled Release of Therapeutic Agents with Near-Infrared Laser for Synergistic Photochemotherapy toward Cervical Cancer. <i>Analytical Chemistry</i> , 2019, 91, 6555-6560.	6.5	15
79	Simple and rapid extracellular vesicles quantification via membrane biotinylation strategy coupled with fluorescent nanospheres-based lateral flow assay. <i>Talanta</i> , 2019, 200, 408-414.	5.5	16
80	A field effect transistor modified with reduced graphene oxide for immunodetection of Ebola virus. <i>Mikrochimica Acta</i> , 2019, 186, 223.	5.0	74
81	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
82	Bunyaviruses: Single-Particle Tracking Reveals the Sequential Entry Process of the Bunyavirus Severe Fever with Thrombocytopenia Syndrome Virus (Small 6/2019). <i>Small</i> , 2019, 15, 1970032.	10.0	1
83	Evaluation of Luminescence Properties of Single Hydrophilic Upconversion Nanoparticles by Optical Trapping. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10107-10113.	3.1	14
84	Ebola Virus Aptamers: From Highly Efficient Selection to Application on Magnetism-Controlled Chips. <i>Analytical Chemistry</i> , 2019, 91, 3367-3373.	6.5	53
85	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
86	Plasmonic and Photothermal Immunoassay via Enzyme-Triggered Crystal Growth on Gold Nanostars. <i>Analytical Chemistry</i> , 2019, 91, 2086-2092.	6.5	103
87	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
88	Quantum Dot Based Biotracking and Biodetection. <i>Analytical Chemistry</i> , 2019, 91, 532-547.	6.5	58
89	Colorimetric-Fluorescent-Magnetic Nanosphere-Based Multimodal Assay Platform for Salmonella Detection. <i>Analytical Chemistry</i> , 2019, 91, 1178-1184.	6.5	152
90	Using optical tweezers to construct an upconversion luminescent resonance energy transfer analytical platform. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 790-797.	7.8	5

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91	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
92	Uncovering the Rab5-Independent Autophagic Trafficking of Influenza A Virus by Quantum-Dot-Based Single-Virus Tracking. <i>Small</i> , 2018, 14, e1702841.	10.0	22
93	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
94	Ultrasmall Pb:Ag ₂ S Quantum Dots with Uniform Particle Size and Bright Tunable Fluorescence in the NIR-II Window. <i>Small</i> , 2018, 14, e1703296.	10.0	78
95	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
96	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
97	Mechanofluorochromic Carbon Nanodots: Controllable Pressure-Triggered Blue- and Red-Shifted Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1893-1897.	13.8	86
98	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
99	Mechanofluorochromic Carbon Nanodots: Controllable Pressure-Triggered Blue- and Red-Shifted Photoluminescence. <i>Angewandte Chemie</i> , 2018, 130, 1911-1915.	2.0	4
100	Effect of POE-g-GMA on mechanical, rheological and thermal properties of poly(lactic acid) (PLA)/poly(ethylene glycol) (PEG) blends. <i>Journal of Applied Polymer Science</i> , 2018, 141, 4611-4620.	3.3	27
101	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
102	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
103	A "Driver Switchover" Mechanism of Influenza Virus Transport from Microfilaments to Microtubules. <i>ACS Nano</i> , 2018, 12, 474-484.	14.6	59
104	Real-Time Dissecting the Entry and Intracellular Dynamics of Single Reovirus Particle. <i>Frontiers in Microbiology</i> , 2018, 9, 2797.	3.5	13
105	Equipping Inner Central Components of Influenza A Virus with Quantum Dots. <i>Analytical Chemistry</i> , 2018, 90, 14020-14028.	6.5	13
106	Internalization of the pseudorabies virus via macropinocytosis analyzed by quantum dot-based single-virus tracking. <i>Chemical Communications</i> , 2018, 54, 11184-11187.	4.1	13
107	Cellular-Beacon-Mediated Counting for the Ultrasensitive Detection of Ebola Virus on an Integrated Micromagnetic Platform. <i>Analytical Chemistry</i> , 2018, 90, 7310-7317.	6.5	22
108	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

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109	Enhanced and High-Purity Enrichment of Circulating Tumor Cells Based on Immunomagnetic Nanospheres. <i>ACS Applied Nano Materials</i> , 2018, 1, 4019-4027.	5.0	9
110	Stable CsPbBr ₃ perovskite quantum dots with high fluorescence quantum yields. <i>New Journal of Chemistry</i> , 2018, 42, 9496-9500.	2.8	71
111	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
112	Bright quantum dots emitting at $\approx 1,600$ 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
113	Target-triggered signal turn-on detection of prostate specific antigen based on metal-enhanced fluorescence of Ag@SiO ₂ @SiO ₂ -RuBpy composite nanoparticles. <i>Nanotechnology</i> , 2017, 28, 065501.	2.6	19
114	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
115	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
116	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
117	Tracking single baculovirus retrograde transportation in host cell via quantum dot-labeling of virus internal component. <i>Journal of Nanobiotechnology</i> , 2017, 15, 37.	9.1	11
118	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
119	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
120	Integrating optical tweezers with up-converting luminescence: a non-amplification analytical platform for quantitative detection of microRNA-21 sequences. <i>Chemical Communications</i> , 2017, 53, 4092-4095.	4.1	19
121	Dynamic monitoring of membrane nanotubes formation induced by vaccinia virus on a high throughput microfluidic chip. <i>Scientific Reports</i> , 2017, 7, 44835.	3.3	8
122	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
123	Ultrasensitive Ebola Virus Detection Based on Electroluminescent Nanospheres and Immunomagnetic Separation. <i>Analytical Chemistry</i> , 2017, 89, 2039-2048.	6.5	58
124	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
125	Cancer Treatment: Development of a Dual-Modally Traceable Nanoplatform for Cancer Theranostics Using Natural Circulating Cell-Derived Microparticles in Oral Cancer Patients (<i>Adv. Funct. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	10.7	143
126	Revealing the biodistribution and clearance of Ag ₂ Se near-infrared quantum dots in mice. <i>New Journal of Chemistry</i> , 2017, 41, 12721-12725.	2.8	18

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127	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
128	Preparation of Monodisperse Hydrophilic Quantum Dots with Amphiphilic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39901-39906.	8.0	17
129	Near-Infrared Fluorescent Ag ₂ Se "Cetuximab Nanoprobes for Targeted Imaging and Therapy of Cancer. <i>Small</i> , 2017, 13, 1602309.	10.0	61
130	Colorimetric and visual determination of DNase I activity using gold nanoparticles as an indicator. <i>Mikrochimica Acta</i> , 2017, 184, 101-106.	5.0	16
131	One-step separation-free detection of carcinoembryonic antigen in whole serum: Combination of two-photon excitation fluorescence and optical trapping. <i>Biosensors and Bioelectronics</i> , 2017, 90, 146-152.	10.1	17
132	Development of a Dual-Modally Traceable NanoplatforM for Cancer Theranostics Using Natural Circulating Cell-Derived Microparticles in Oral Cancer Patients. <i>Advanced Functional Materials</i> , 2017, 27, 1703482.	14.9	16
133	Fluorescence-Converging Carbon Nanodots-Hybridized Silica Nanosphere. <i>Small</i> , 2016, 12, 4702-4706.	10.0	63
134	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
135	Intracellular self-assembly based multi-labeling of key viral components: Envelope, capsid and nucleic acids. <i>Biomaterials</i> , 2016, 99, 24-33.	11.4	17
136	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
137	Dual-component gene detection for H7N9 virus " The combination of optical trapping and bead-based fluorescence assay. <i>Biosensors and Bioelectronics</i> , 2016, 86, 1031-1037.	10.1	13
138	Reliable Digital Single Molecule Electrochemistry for Ultrasensitive Alkaline Phosphatase Detection. <i>Analytical Chemistry</i> , 2016, 88, 9166-9172.	6.5	73
139	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
140	Determination of the Absolute Number Concentration of Nanoparticles and the Active Affinity Sites on Their Surfaces. <i>Analytical Chemistry</i> , 2016, 88, 10134-10142.	6.5	15
141	Electrochemical Monitoring of Hydrogen Sulfide Release from Single Cells. <i>ChemElectroChem</i> , 2016, 3, 1998-2002.	3.4	30
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