

Zhi-ling Zhang

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

14658
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated synthesis and ripening of AgInS ₂ QDs in droplet microreactors: An update fluorescence regulating via suitable temperature combination. Chinese Chemical Letters, 2022, 33, 3767-3771.	4.8	3
2	Sphingomyelin-Sequestered Cholesterol Domain Recruits Formin-Binding Protein 17 for Constricting Clathrin-Coated Pits in Influenza Virus Entry. Journal of Virology, 2022, 96, JVI0181321.	1.5	6
3	Ultrasmall MnSe Nanoparticles as ¹ H-MRI Contrast Agents for <i>In Vivo</i> Tumor Imaging. ACS Applied Materials & Interfaces, 2022, 14, 11167-11176.	4.0	9
4	How different are the surfaces of semiconductor Ag ₂ Se quantum dots with various sizes?. Science Bulletin, 2022, 67, 619-625.	4.3	5
5	Photoluminescence Enhancement of NIR-Emissive Ag ₂ S Quantum Dots via Chloride-Mediated Growth and Passivation. Advanced Optical Materials, 2022, 10, .	3.6	13
6	Non-invasive T cells adoptive immunotherapy for solid tumor with gel anti-tumor T-cell injections. Chemical Engineering Journal, 2022, 439, 135839.	6.6	3
7	Current Lifetime of Single-Nanoparticle Collision for Sizing Nanoparticles. Analytical Chemistry, 2022, 94, 1302-1307.	3.2	7
8	Single-Nanoparticle Collision Electrochemistry Biosensor Based on an Electrocatalytic Strategy for Highly Sensitive and Specific Detection of H7N9 Avian Influenza Virus. Analytical Chemistry, 2022, 94, 8392-8398.	3.2	10
9	Optical tweezers assisted analyzing and sorting of tumor cells tagged with fluorescence nanospheres in a microfluidic chip. Sensors and Actuators B: Chemical, 2022, 368, 132173.	4.0	4
10	A near-infrared-II fluorescence anisotropy strategy for separation-free detection of adenosine triphosphate in complex media. Talanta, 2021, 223, 121721.	2.9	5
11	Surface chemistry tuning the selectivity of carbon nanodots towards Hg ²⁺ recognition. Analytica Chimica Acta, 2021, 1146, 33-40.	2.6	7
12	Influenza A Viruses Enter Host Cells via Extracellular Ca ²⁺ Influx-Involved Clathrin-Mediated Endocytosis. ACS Applied Bio Materials, 2021, 4, 2044-2051.	2.3	10
13	Size-Resolved Single Entity Collision Biosensing for Dual Quantification of MicroRNAs in a Single Run. ACS Applied Materials & Interfaces, 2021, 13, 22254-22261.	4.0	7
14	Precise selection of aptamers targeting PD-L1 positive small extracellular vesicles on magnetic chips. Chemical Communications, 2021, 57, 3555-3558.	2.2	7
15	Ultrasensitive Electrochemiluminescence Biosensor Based on Closed Bipolar Electrode for Alkaline Phosphatase Detection in Single Liver Cancer Cell. Analytical Chemistry, 2021, 93, 1757-1763.	3.2	46
16	Personalized gel-droplet monocyte vaccines for cancer immunotherapy. Lab on A Chip, 2021, 21, 4414-4426.	3.1	8
17	Target-modulated sensitization of upconversion luminescence by NIR-emissive quantum dots: a new strategy to construct upconversion biosensors. Chemical Communications, 2020, 56, 1976-1979.	2.2	20
18	A colorimetric and electrochemical dual-mode biosensor for thrombin using a magnetic separation technique. Journal of Materials Chemistry B, 2020, 8, 3574-3581.	2.9	25

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19	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.	3.2	17
20	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.	3.2	26
21	One-to-Many Single Entity Electrochemistry Biosensing for Ultrasensitive Detection of microRNA. <i>Analytical Chemistry</i> , 2020, 92, 853-858.	3.2	50
22	A salt-out strategy for purification of amphiphilic polymer-coated quantum dots. <i>New Journal of Chemistry</i> , 2020, 44, 15341-15344.	1.4	1
23	Spectrally Combined Encoding for Profiling Heterogeneous Circulating Tumor Cells Using a Multifunctional Nanosphere-Mediated Microfluidic Platform. <i>Angewandte Chemie</i> , 2020, 132, 11336-11340.	1.6	4
24	Interfacial Synthesis of Ag ₂ S/ZnS Core/Shell Quantum Dots in a Droplet Microreactor. <i>ChemistrySelect</i> , 2020, 5, 5889-5894.	0.7	10
25	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.	2.4	24
26	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.	3.1	15
27	Improving Flow Bead Assay: Combination of Near-Infrared Optical Tweezers Stabilizing and Upconversion Luminescence Encoding. <i>Analytical Chemistry</i> , 2020, 92, 5258-5266.	3.2	12
28	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.	7.2	36
29	Designer cell-self-implemented labeling of microvesicles in situ with the intracellular-synthesized quantum dots. <i>Science China Chemistry</i> , 2020, 63, 448-453.	4.2	10
30	Chlorophyll-Based Near-Infrared Fluorescent Nanocomposites: Preparation and Optical Properties. <i>ACS Omega</i> , 2020, 5, 14261-14266.	1.6	3
31	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.	2.9	30
32	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.	5.7	53
33	Absolute quantification of particle number concentration using a digital single particle counting system. <i>Mikrochimica Acta</i> , 2019, 186, 529.	2.5	0
34	Cell derived extracellular vesicles: from isolation to functionalization and biomedical applications. <i>Biomaterials Science</i> , 2019, 7, 3552-3565.	2.6	15
35	Magnetic Chip Based Extracorporeal Circulation: A New Tool for Circulating Tumor Cell in Vivo Detection. <i>Analytical Chemistry</i> , 2019, 91, 15260-15266.	3.2	21
36	Microvesicle detection by a reduced graphene oxide field-effect transistor biosensor based on a membrane biotinylation strategy. <i>Analyst, The</i> , 2019, 144, 6055-6063.	1.7	15

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37	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.	4.5	23
38	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.	4.0	66
39	Cell Membrane-Camouflaged NIR II Fluorescent Ag ₂ Te Quantum Dots-Based Nanobioprobes for Enhanced In Vivo Homotypic Tumor Imaging. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900341.	3.9	68
40	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.	2.1	61
41	Economical synthesis of ultra-small Bi ₂ S ₃ nanoparticles for high-sensitive CT imaging. <i>Materials Research Express</i> , 2019, 6, 095005.	0.8	6
42	Coating Magnetic Nanospheres with PEG To Reduce Nonspecific Adsorption on Cells. <i>ACS Omega</i> , 2019, 4, 7391-7399.	1.6	14
43	Multifunctional Cellular Beacons with in Situ Synthesized Quantum Dots Make Pathogen Detectable with the Naked Eye. <i>Analytical Chemistry</i> , 2019, 91, 7280-7287.	3.2	16
44	Controllable and flexible cellular network for virus cell-to-cell spread. <i>Chinese Chemical Letters</i> , 2019, 30, 1229-1232.	4.8	0
45	Controlled Release of Therapeutic Agents with Near-Infrared Laser for Synergistic Photochemotherapy toward Cervical Cancer. <i>Analytical Chemistry</i> , 2019, 91, 6555-6560.	3.2	15
46	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.	2.9	16
47	A field effect transistor modified with reduced graphene oxide for immunodetection of Ebola virus. <i>Mikrochimica Acta</i> , 2019, 186, 223.	2.5	74
48	Ebola Virus Aptamers: From Highly Efficient Selection to Application on Magnetism-Controlled Chips. <i>Analytical Chemistry</i> , 2019, 91, 3367-3373.	3.2	53
49	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.	5.3	45
50	Quantum Dot Based Biotracking and Biodetection. <i>Analytical Chemistry</i> , 2019, 91, 532-547.	3.2	58
51	Colorimetric-Fluorescent-Magnetic Nanosphere-Based Multimodal Assay Platform for Salmonella Detection. <i>Analytical Chemistry</i> , 2019, 91, 1178-1184.	3.2	152
52	Synthesis of AgInS ₂ QDs in droplet microreactors: Online fluorescence regulating through temperature control. <i>Chinese Chemical Letters</i> , 2019, 30, 79-82.	4.8	24
53	Uncovering the Rab5-Independent Autophagic Trafficking of Influenza A Virus by Quantum-Dot-Based Single-Virus Tracking. <i>Small</i> , 2018, 14, e1702841.	5.2	22
54	On-demand one-step synthesis of small-sized fluorescent-magnetic bifunctional microparticles on a droplet-splitting chip. <i>Journal of Materials Chemistry B</i> , 2018, 6, 961-965.	2.9	9

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55	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.	1.5	56
56	Ultrasmall Pb:Ag ₂ S Quantum Dots with Uniform Particle Size and Bright Tunable Fluorescence in the NIR Window. <i>Small</i> , 2018, 14, e1703296.	5.2	78
57	Mechanofluorochromic Carbon Nanodots: Controllable Pressure-Triggered Blue- and Red-Shifted Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1893-1897.	7.2	86
58	Digital Single Virus Electrochemical Enzyme-Linked Immunoassay for Ultrasensitive H7N9 Avian Influenza Virus Counting. <i>Analytical Chemistry</i> , 2018, 90, 1683-1690.	3.2	53
59	Mechanofluorochromic Carbon Nanodots: Controllable Pressure-Triggered Blue- and Red-Shifted Photoluminescence. <i>Angewandte Chemie</i> , 2018, 130, 1911-1915.	1.6	4
60	A colorimetric and electrochemical immunosensor for point-of-care detection of enterovirus 71. <i>Biosensors and Bioelectronics</i> , 2018, 99, 186-192.	5.3	94
61	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.	5.3	45
62	Controllable synthesis of nanocrystals in droplet reactors. <i>Lab on A Chip</i> , 2018, 18, 41-56.	3.1	97
63	Self-co-reactant and ion-annihilation electrogenerated chemiluminescence of carbon nanodots. <i>Carbon</i> , 2018, 129, 168-174.	5.4	27
64	A "Driver Switchover" Mechanism of Influenza Virus Transport from Microfilaments to Microtubules. <i>ACS Nano</i> , 2018, 12, 474-484.	7.3	59
65	Equipping Inner Central Components of Influenza A Virus with Quantum Dots. <i>Analytical Chemistry</i> , 2018, 90, 14020-14028.	3.2	13
66	Internalization of the pseudorabies virus <i>in vivo</i> via macropinocytosis analyzed by quantum dot-based single-virus tracking. <i>Chemical Communications</i> , 2018, 54, 11184-11187.	2.2	13
67	Cellular-Beacon-Mediated Counting for the Ultrasensitive Detection of Ebola Virus on an Integrated Micromagnetic Platform. <i>Analytical Chemistry</i> , 2018, 90, 7310-7317.	3.2	22
68	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.	2.8	45
69	Enhanced and High-Purity Enrichment of Circulating Tumor Cells Based on Immunomagnetic Nanospheres. <i>ACS Applied Nano Materials</i> , 2018, 1, 4019-4027.	2.4	9
70	Chip-Assisted Single-Cell Biomarker Profiling of Heterogeneous Circulating Tumor Cells Using Multifunctional Nanospheres. <i>Analytical Chemistry</i> , 2018, 90, 10518-10526.	3.2	50
71	Folate-Engineered Microvesicles for Enhanced Target and Synergistic Therapy toward Breast Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5100-5108.	4.0	48
72	Nanosphere-based one-step strategy for efficient and nondestructive detection of circulating tumor cells. <i>Biosensors and Bioelectronics</i> , 2017, 94, 219-226.	5.3	52

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73	Tracking single baculovirus retrograde transportation in host cell via quantum dot-labeling of virus internal component. <i>Journal of Nanobiotechnology</i> , 2017, 15, 37.	4.2	11
74	Multifunctional Screening Platform for the Highly Efficient Discovery of Aptamers with High Affinity and Specificity. <i>Analytical Chemistry</i> , 2017, 89, 6535-6542.	3.2	47
75	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.	7.3	61
76	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.	2.2	19
77	Dynamic monitoring of membrane nanotubes formation induced by vaccinia virus on a high throughput microfluidic chip. <i>Scientific Reports</i> , 2017, 7, 44835.	1.6	8
78	Ultrasensitive Ebola Virus Detection Based on Electroluminescent Nanospheres and Immunomagnetic Separation. <i>Analytical Chemistry</i> , 2017, 89, 2039-2048.	3.2	58
79	Cancer Treatment: Development of a Dual-Modally Traceable Nanoplatfor Using Natural Circulating Cell-Derived Microparticles in Oral Cancer Patients (<i>Adv. Funct. Mater.</i>) Tj ETQq1 1 0.7848 14 rgBI /Overlock	7.8	14
80	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.	1.4	18
81	Dual-Signal Readout Nanospheres for Rapid Point-of-Care Detection of Ebola Virus Glycoprotein. <i>Analytical Chemistry</i> , 2017, 89, 13105-13111.	3.2	128
82	Enhanced directional cell migration induced by vaccinia virus on a microfluidic-based multi-shear cell migration assay platform. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 903-911.	0.6	5
83	Preparation of Monodisperse Hydrophilic Quantum Dots with Amphiphilic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39901-39906.	4.0	17
84	Near-Infrared Fluorescent Ag ₂ Se@Cetuximab Nanoprobes for Targeted Imaging and Therapy of Cancer. <i>Small</i> , 2017, 13, 1602309.	5.2	61
85	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.	5.3	17
86	Development of a Dual-Modally Traceable Nanoplatfor Circulating Cell-Derived Microparticles in Oral Cancer Patients. <i>Advanced Functional Materials</i> , 2017, 27, 1703482.	7.8	16
87	Fluorescence-Converging Carbon Nanodots-Hybridized Silica Nanosphere. <i>Small</i> , 2016, 12, 4702-4706.	5.2	63
88	Intracellular self-assembly based multi-labeling of key viral components: Envelope, capsid and nucleic acids. <i>Biomaterials</i> , 2016, 99, 24-33.	5.7	17
89	Near-infrared Ag ₂ Se quantum dots with distinct absorption features and high fluorescence quantum yields. <i>RSC Advances</i> , 2016, 6, 38183-38186.	1.7	40
90	Reliable Digital Single Molecule Electrochemistry for Ultrasensitive Alkaline Phosphatase Detection. <i>Analytical Chemistry</i> , 2016, 88, 9166-9172.	3.2	73

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91	Labeling viral envelope lipids with quantum dots by harnessing the biotinylated lipid-self-inserted cellular membrane. <i>Biomaterials</i> , 2016, 106, 69-77.	5.7	40
92	Photoluminescent Properties of Carbon Nanodots. <i>Carbon Nanostructures</i> , 2016, , 239-256.	0.1	2
93	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.	3.2	180
94	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.	5.3	36
95	Purification of quantum dot-based bioprobes via high-performance size exclusion chromatography. <i>Talanta</i> , 2016, 159, 64-73.	2.9	13
96	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.	6.6	143
97	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.	2.8	93
98	Dissecting the Factors Affecting the Fluorescence Stability of Quantum Dots in Live Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8401-8408.	4.0	27
99	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.	3.1	75
100	Electrochemical Methods to Study Photoluminescent Carbon Nanodots: Preparation, Photoluminescence Mechanism and Sensing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28372-28382.	4.0	44
101	Simultaneous Visualization of Parental and Progeny Viruses by a Capsid-Specific HaloTag Labeling Strategy. <i>ACS Nano</i> , 2016, 10, 1147-1155.	7.3	30
102	Tracking single viruses infecting their host cells using quantum dots. <i>Chemical Society Reviews</i> , 2016, 45, 1211-1224.	18.7	106
103	A High Throughput Micro-Chamber Array Device for Single Cell Clonal Cultivation and Tumor Heterogeneity Analysis. <i>Scientific Reports</i> , 2015, 5, 11937.	1.6	17
104	Biometallization-Based Electrochemical Magnetoimmunosensing Strategy for Avian Influenza A (H7N9) Virus Particle Detection. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1387-1393.	1.7	24
105	Harnessing Intracellular Biochemical Pathways for In Vitro Synthesis of Designer Tellurium Nanorods. <i>Small</i> , 2015, 11, 5416-5422.	5.2	19
106	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.	5.2	32
107	A room-temperature method for coating a ZnS shell on semiconductor quantum dots. <i>Journal of Materials Chemistry C</i> , 2015, 3, 964-967.	2.7	16
108	Transformation of Cell-Derived Microparticles into Quantum-Dot-Labeled Nanovectors for Antitumor siRNA Delivery. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1036-1040.	7.2	86

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109	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.	5.3	54
110	Analysis of Cancer Marker in Tissues with Hadamard Transform Fluorescence Spectral Microscopic Imaging. <i>Journal of Fluorescence</i> , 2015, 25, 397-402.	1.3	3
111	Photoluminescence-Tunable Carbon Nanodots: Surface-State Energy-Gap Tuning. <i>Advanced Materials</i> , 2015, 27, 1663-1667.	11.1	658
112	An efficient edge-functionalization method to tune the photoluminescence of graphene quantum dots. <i>Nanoscale</i> , 2015, 7, 5969-5973.	2.8	73
113	Droplet-based microreactor for synthesis of water-soluble Ag ₂ S quantum dots. <i>Nanotechnology</i> , 2015, 26, 275701.	1.3	28
114	Combination of dynamic magnetophoretic separation and stationary magnetic trap for highly sensitive and selective detection of <i>Salmonella typhimurium</i> in complex matrix. <i>Biosensors and Bioelectronics</i> , 2015, 74, 628-636.	5.3	59
115	Simultaneous Point-of-Care Detection of Enterovirus 71 and Coxsackievirus B3. <i>Analytical Chemistry</i> , 2015, 87, 11105-11112.	3.2	43
116	A highly reactive chalcogenide precursor for the synthesis of metal chalcogenide quantum dots. <i>Nanoscale</i> , 2015, 7, 19310-19316.	2.8	16
117	Clicking Hydrazine and Aldehyde: The Way to Labeling of Viruses with Quantum Dots. <i>ACS Nano</i> , 2015, 9, 11750-11760.	7.3	42
118	Highly sensitive DNA detection using cascade amplification strategy based on hybridization chain reaction and enzyme-induced metallization. <i>Biosensors and Bioelectronics</i> , 2015, 66, 520-526.	5.3	53
119	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.	5.2	24
120	Fast magnetic isolation of simple sequence repeat markers in microfluidic channels. <i>Lab on A Chip</i> , 2014, 14, 1410-1414.	3.1	11
121	Quick-Response Magnetic Nanospheres for Rapid, Efficient Capture and Sensitive Detection of Circulating Tumor Cells. <i>ACS Nano</i> , 2014, 8, 941-949.	7.3	228
122	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.	3.2	137
123	Control of magnetic field distribution by using nickel powder@PDMS pillars in microchannels. <i>RSC Advances</i> , 2014, 4, 17660-17666.	1.7	22
124	Globally Visualizing the Microtubule-Dependent Transport Behaviors of Influenza Virus in Live Cells. <i>Analytical Chemistry</i> , 2014, 86, 3902-3908.	3.2	51
125	Recognition Kinetics of Biomolecules at the Surface of Different-Sized Spheres. <i>Biophysical Journal</i> , 2014, 107, 165-173.	0.2	11
126	Revealing Carbon Nanodots As Coreactants of the Anodic Electrochemiluminescence of Ru(bpy) ₃ ²⁺ . <i>Analytical Chemistry</i> , 2014, 86, 7224-7228.	3.2	83

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127	Uniform Fluorescent Nanobioprobes for Pathogen Detection. <i>ACS Nano</i> , 2014, 8, 5116-5124.	7.3	120
128	Cytotoxicity of nucleus-targeting fluorescent gold nanoclusters. <i>Nanoscale</i> , 2014, 6, 13126-13134.	2.8	34
129	Evaluation of nonspecific interactions between quantum dots and proteins. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7677.	1.3	11
130	Labeling the nucleocapsid of enveloped baculovirus with quantum dots for single-virus tracking. <i>Biomaterials</i> , 2014, 35, 2295-2301.	5.7	48
131	Laminar flow mediated continuous single-cell analysis on a novel poly(dimethylsiloxane) microfluidic chip. <i>Analytica Chimica Acta</i> , 2014, 820, 104-111.	2.6	12
132	Anisotropic cell-to-cell spread of vaccinia virus on microgrooved substrate. <i>Biomaterials</i> , 2014, 35, 5049-5055.	5.7	12
133	Three-Dimensional Tracking of Rab5 and Rab7 Associated Infection Process of Influenza Virus. <i>Small</i> , 2014, 10, 4746-4753.	5.2	37
134	Fast and High-Accuracy Localization for Three-Dimensional Single-Particle Tracking. <i>Scientific Reports</i> , 2013, 3, 2462.	1.6	46
135	A magnetic bead-based bienzymatic electrochemical immunosensor for determination of H9N2 avian influenza virus. <i>Electrochemistry Communications</i> , 2013, 31, 129-132.	2.3	44
136	Cellular uptake, elimination and toxicity of CdSe/ZnS quantum dots in HepG2 cells. <i>Biomaterials</i> , 2013, 34, 9545-9558.	5.7	115
137	Picoliter droplets developed as microreactors for ultrafast synthesis of multi-color water-soluble CdTe quantum dots. <i>Chemical Communications</i> , 2013, 49, 7114.	2.2	26
138	Site-specific labeling of baculovirus in an integrated microfluidic device. <i>Lab on A Chip</i> , 2013, 13, 860.	3.1	6
139	A Simple Point-of-Care Microfluidic Immunomagnetic Fluorescence Assay for Pathogens. <i>Analytical Chemistry</i> , 2013, 85, 2645-2651.	3.2	77
140	Ag ₂ Se Quantum Dots with Tunable Emission in the Second Near-Infrared Window. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1186-1189.	4.0	188
141	On-chip dual detection of cancer biomarkers directly in serum based on self-assembled magnetic bead patterns and quantum dots. <i>Biosensors and Bioelectronics</i> , 2013, 41, 129-136.	5.3	74
142	One-Step Sensitive Detection of Salmonella typhimurium by Coupling Magnetic Capture and Fluorescence Identification with Functional Nanospheres. <i>Analytical Chemistry</i> , 2013, 85, 1223-1230.	3.2	125
143	Optically Encoded Multifunctional Nanospheres for One-Pot Separation and Detection of Multiplex DNA Sequences. <i>Analytical Chemistry</i> , 2013, 85, 11929-11935.	3.2	65
144	Coevolution of the tumor microenvironment revealed by quantum dot-based multiplexed imaging of hepatocellular carcinoma. <i>Future Oncology</i> , 2013, 9, 1029-1037.	1.1	12

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145	Electrochemical Magnetoimmunosensing Approach for the Sensitive Detection of H9N2 Avian Influenza Virus Particles. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2220-2226.	1.7	22
146	Generation of sub-femtoliter droplet by T-junction splitting on microfluidic chips. <i>Applied Physics Letters</i> , 2013, 102, 123502.	1.5	8
147	Electrochemical methods – important means for fabrication of fluorescent nanoparticles. <i>Analyst</i> , 2012, 137, 805-815.	1.7	13
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