

Kemin Wang

List of Publications by Year in descending order

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311
papers

14,732
citations

19657

61
h-index

28297

105
g-index

313
all docs

313
docs citations

313
times ranked

13075
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugation of Biomolecules with Luminophore-Doped Silica Nanoparticles for Photostable Biomarkers. <i>Analytical Chemistry</i> , 2001, 73, 4988-4993.	6.5	738
2	Molecular Engineering of DNA: Molecular Beacons. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 856-870.	13.8	581
3	Pyrene-Excimer Probes Based on the Hybridization Chain Reaction for the Detection of Nucleic Acids in Complex Biological Fluids. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 401-404.	13.8	486
4	Selection of Aptamers for Molecular Recognition and Characterization of Cancer Cells. <i>Analytical Chemistry</i> , 2007, 79, 4900-4907.	6.5	445
5	Enzyme-Free Colorimetric Detection of DNA by Using Gold Nanoparticles and Hybridization Chain Reaction Amplification. <i>Analytical Chemistry</i> , 2013, 85, 7689-7695.	6.5	294
6	FRET Nanoflares for Intracellular mRNA Detection: Avoiding False Positive Signals and Minimizing Effects of System Fluctuations. <i>Journal of the American Chemical Society</i> , 2015, 137, 8340-8343.	13.7	285
7	Activatable aptamer probe for contrast-enhanced in vivo cancer imaging based on cell membrane protein-triggered conformation alteration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3900-3905.	7.1	283
8	Poly(thymine)-Templated Selective Formation of Fluorescent Copper Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9719-9722.	13.8	278
9	Highly Fe ³⁺ -Selective Fluorescent Nanoprobe Based on Ultrabright N/P Codoped Carbon Dots and Its Application in Biological Samples. <i>Analytical Chemistry</i> , 2017, 89, 7477-7484.	6.5	277
10	Bioconjugated Nanoparticles for DNA Protection from Cleavage. <i>Journal of the American Chemical Society</i> , 2003, 125, 7168-7169.	13.7	263
11	Label-Free Carbon-Dots-Based Ratiometric Fluorescence pH Nanoprobes for Intracellular pH Sensing. <i>Analytical Chemistry</i> , 2016, 88, 7837-7843.	6.5	253
12	Methylene blue-encapsulated phosphonate-terminated silica nanoparticles for simultaneous in vivo imaging and photodynamic therapy. <i>Biomaterials</i> , 2009, 30, 5601-5609.	11.4	204
13	Label-Free and Turn-on Aptamer Strategy for Cancer Cells Detection Based on a DNA-Silver Nanocluster Fluorescence upon Recognition-Induced Hybridization. <i>Analytical Chemistry</i> , 2013, 85, 12011-12019.	6.5	173
14	Functionalized Silica Nanoparticles: A Platform for Fluorescence Imaging at the Cell and Small Animal Levels. <i>Accounts of Chemical Research</i> , 2013, 46, 1367-1376.	15.6	159
15	Direct quantification of cancerous exosomes via surface plasmon resonance with dual gold nanoparticle-assisted signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 135, 129-136.	10.1	154
16	Surface plasmon resonance biosensor for sensitive detection of microRNA and cancer cell using multiple signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2017, 87, 433-438.	10.1	141
17	Gold Nanoparticle Loaded Split-DNAzyme Probe for Amplified miRNA Detection in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 8377-8383.	6.5	140
18	Graphene oxide-gold nanoparticles hybrids-based surface plasmon resonance for sensitive detection of microRNA. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1001-1007.	10.1	130

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19	Concatemeric dsDNA-Templated Copper Nanoparticles Strategy with Improved Sensitivity and Stability Based on Rolling Circle Replication and Its Application in MicroRNA Detection. <i>Analytical Chemistry</i> , 2014, 86, 6976-6982.	6.5	129
20	Gold Nanoparticle Based Hairpin-Locked-DNAzyme Probe for Amplified miRNA Imaging in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 5850-5856.	6.5	124
21	One-step engineering of silver nanoclustersâ€‘aptamer assemblies as luminescent labels to target tumor cells. <i>Nanoscale</i> , 2012, 4, 110-112.	5.6	123
22	Poly(Thymine)-Templated Fluorescent Copper Nanoparticles for Ultrasensitive Label-Free Nuclease Assay and Its Inhibitors Screening. <i>Analytical Chemistry</i> , 2013, 85, 12138-12143.	6.5	120
23	Detection of C-reactive protein using nanoparticle-enhanced surface plasmon resonance using an aptamer-antibody sandwich assay. <i>Chemical Communications</i> , 2016, 52, 3568-3571.	4.1	117
24	A DNA nanowire based localized catalytic hairpin assembly reaction for microRNA imaging in live cells. <i>Chemical Science</i> , 2018, 9, 7802-7808.	7.4	117
25	DNA tetrahedron nanostructures for biological applications: biosensors and drug delivery. <i>Analyst</i> , 2017, 142, 3322-3332.	3.5	115
26	Ratiometric Fluorescent Sensing of pH Values in Living Cells by Dual-Fluorophore-Labeled i-Motif Nanoprobes. <i>Analytical Chemistry</i> , 2015, 87, 8724-8731.	6.5	113
27	Aptazymeâ€‘Gold Nanoparticle Sensor for Amplified Molecular Probing in Living Cells. <i>Analytical Chemistry</i> , 2016, 88, 5981-5987.	6.5	106
28	Poly(thymine)-Templated Copper Nanoparticles as a Fluorescent Indicator for Hydrogen Peroxide and Oxidase-Based Biosensing. <i>Analytical Chemistry</i> , 2015, 87, 7454-7460.	6.5	102
29	Enzyme-mediated nitric oxide production in vasoactive erythrocyte membrane-enclosed coacervate protocells. <i>Nature Chemistry</i> , 2020, 12, 1165-1173.	13.6	101
30	In vivo Fluorescence Imaging of Tumors using Molecular Aptamers Generated by Cellâ€‘SELEX. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2209-2213.	3.3	100
31	A DNA tetrahedron-based molecular beacon for tumor-related mRNA detection in living cells. <i>Chemical Communications</i> , 2016, 52, 2346-2349.	4.1	94
32	Exosomes: Isolation, Analysis, and Applications in Cancer Detection and Therapy. <i>ChemBioChem</i> , 2019, 20, 451-461.	2.6	92
33	Screening of DNA Aptamers against Myoglobin Using a Positive and Negative Selection Units Integrated Microfluidic Chip and Its Biosensing Application. <i>Analytical Chemistry</i> , 2014, 86, 6572-6579.	6.5	88
34	Programmed packaging of mesoporous silica nanocarriers for matrix metalloprotease 2-triggered tumor targeting and release. <i>Biomaterials</i> , 2015, 58, 35-45.	11.4	88
35	In situ formation of fluorescent copper nanoparticles for ultrafast zero-background Cu 2+ detection and its toxicides screening. <i>Biosensors and Bioelectronics</i> , 2016, 78, 471-476.	10.1	87
36	Fluorescence resonance energy transfer-based hybridization chain reaction for in situ visualization of tumor-related mRNA. <i>Chemical Science</i> , 2016, 7, 3829-3835.	7.4	85

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37	High sensitivity surface plasmon resonance biosensor for detection of microRNA and small molecule based on graphene oxide-gold nanoparticles composites. <i>Talanta</i> , 2017, 174, 521-526.	5.5	85
38	Point-of-Care Assay of Alkaline Phosphatase Enzymatic Activity Using a Thermometer or Temperature Discoloration Sticker as Readout. <i>Analytical Chemistry</i> , 2019, 91, 7943-7949.	6.5	82
39	Progress in biosensor based on DNA-templated copper nanoparticles. <i>Biosensors and Bioelectronics</i> , 2019, 137, 96-109.	10.1	82
40	Giant Coacervate Vesicles As an Integrated Approach to Cytomimetic Modeling. <i>Journal of the American Chemical Society</i> , 2021, 143, 2866-2874.	13.7	82
41	Self-Assembled DNA Nanocentipede as Multivalent Drug Carrier for Targeted Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25733-25740.	8.0	80
42	Low-Fouling Surface Plasmon Resonance Sensor for Highly Sensitive Detection of MicroRNA in a Complex Matrix Based on the DNA Tetrahedron. <i>Analytical Chemistry</i> , 2018, 90, 12584-12591.	6.5	80
43	Design of a Modular-Based Fluorescent Conjugated Polymer for Selective Sensing. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5635-5638.	13.8	77
44	Visual and Portable Strategy for Copper(II) Detection Based on a Striplike Poly(Thymine)-Caged and Microwell-Printed Hydrogel. <i>Analytical Chemistry</i> , 2014, 86, 11263-11268.	6.5	77
45	Total internal reflection-based single-vesicle in situ quantitative and stoichiometric analysis of tumor-derived exosomal microRNAs for diagnosis and treatment monitoring. <i>Theranostics</i> , 2019, 9, 4494-4507.	10.0	77
46	Target-Catalyzed Dynamic Assembly-Based Pyrene Excimer Switching for Enzyme-Free Nucleic Acid Amplified Detection. <i>Analytical Chemistry</i> , 2014, 86, 4934-4939.	6.5	76
47	MnO ₂ nanosheet mediated FRET binary probes for sensitive detection of intracellular mRNA. <i>Chemical Science</i> , 2017, 8, 668-673.	7.4	76
48	Iodide-Responsive Cu ²⁺ /Au Nanoparticle-Based Colorimetric Platform for Ultrasensitive Detection of Target Cancer Cells. <i>Analytical Chemistry</i> , 2015, 87, 7141-7147.	6.5	75
49	A versatile stimulus-responsive metal-organic framework for size/morphology tunable hollow mesoporous silica and pH-triggered drug delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2126-2132.	5.8	75
50	Dual-microRNA-controlled double-amplified cascaded logic DNA circuits for accurate discrimination of cell subtypes. <i>Chemical Science</i> , 2019, 10, 1442-1449.	7.4	73
51	Construction of coacervate-in-coacervate multi-compartment protocells for spatial organization of enzymatic reactions. <i>Chemical Science</i> , 2020, 11, 8617-8625.	7.4	73
52	A Photon-Fueled Gate-Like Delivery System Using Motif DNA Functionalized Mesoporous Silica Nanoparticles. <i>Advanced Functional Materials</i> , 2012, 22, 4704-4710.	14.9	72
53	Nanometer-sized manganese oxide-quenched fluorescent oligonucleotides: an effective sensing platform for probing biomolecular interactions. <i>Chemical Communications</i> , 2014, 50, 11049.	4.1	72
54	Sensitive point-of-care monitoring of cardiac biomarker myoglobin using aptamer and ubiquitous personal glucose meter. <i>Biosensors and Bioelectronics</i> , 2015, 64, 161-164.	10.1	71

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55	Competition-Mediated Pyrene-Switching Aptasensor: Probing Lysozyme in Human Serum with a Monomer-Excimer Fluorescence Switch. <i>Analytical Chemistry</i> , 2010, 82, 10158-10163.	6.5	70
56	A Versatile Activatable Fluorescence Probing Platform for Cancer Cells <i>in Vitro</i> and <i>in Vivo</i> Based on Self-Assembled Aptamer/Carbon Nanotube Ensembles. <i>Analytical Chemistry</i> , 2014, 86, 9271-9277.	6.5	70
57	Electrochemical sensor for glutathione detection based on mercury ion triggered hybridization chain reaction signal amplification. <i>Biosensors and Bioelectronics</i> , 2016, 77, 914-920.	10.1	69
58	Molecular-Recognition-Based DNA Nanodevices for Enhancing the Direct Visualization and Quantification of Single Vesicles of Tumor Exosomes in Plasma Microsamples. <i>Analytical Chemistry</i> , 2019, 91, 2768-2775.	6.5	69
59	Mesoporous Silica Containers and Programmed Catalytic Hairpin Assembly/Hybridization Chain Reaction Based Electrochemical Sensing Platform for MicroRNA Ultrasensitive Detection with Low Background. <i>Analytical Chemistry</i> , 2019, 91, 10672-10678.	6.5	68
60	Colorimetric detection of hydrogen peroxide and glucose using the magnetic mesoporous silica nanoparticles. <i>Talanta</i> , 2015, 134, 712-717.	5.5	64
61	Recent advances in fluorescent nucleic acid probes for living cell studies. <i>Analyst, The</i> , 2013, 138, 62-71.	3.5	62
62	High sensitivity surface plasmon resonance biosensor for detection of microRNA based on gold nanoparticles-decorated molybdenum sulfide. <i>Analytica Chimica Acta</i> , 2017, 993, 55-62.	5.4	62
63	Enhanced surface plasmon resonance with the modified catalytic growth of Au nanoparticles. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1106-1110.	10.1	61
64	Amplified FRET Nanoflares: An Endogenous mRNA-Powered Nanomachine for Intracellular MicroRNA Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20104-20111.	13.8	61
65	A highly sensitive electrochemiluminescence assay for protein kinase based on double-quenching of graphene quantum dots by G-quadruplex-hemin and gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 70, 54-60.	10.1	60
66	dsDNA-specific fluorescent copper nanoparticles as a "green" nano-dye for polymerization-mediated biochemical analysis. <i>Chemical Communications</i> , 2014, 50, 12746-12748.	4.1	58
67	Hairpin-Contained i-Motif Based Fluorescent Ratiometric Probe for High-Resolution and Sensitive Response of Small pH Variations. <i>Analytical Chemistry</i> , 2018, 90, 1889-1896.	6.5	58
68	<i>In situ</i> multiplex detection of serum exosomal microRNAs using an all-in-one biosensor for breast cancer diagnosis. <i>Analyst, The</i> , 2020, 145, 3289-3296.	3.5	57
69	Competition-Mediated FRET-Switching DNA Tetrahedron Molecular Beacon for Intracellular Molecular Detection. <i>ACS Sensors</i> , 2016, 1, 1445-1452.	7.8	56
70	Powerful Amplification Cascades of FRET-Based Two-Layer Nonenzymatic Nucleic Acid Circuits. <i>Analytical Chemistry</i> , 2016, 88, 5857-5864.	6.5	56
71	Aptamer-based FRET nanoflares for imaging potassium ions in living cells. <i>Chemical Communications</i> , 2016, 52, 11386-11389.	4.1	55
72	A cell-surface-anchored ratiometric i-motif sensor for extracellular pH detection. <i>Chemical Communications</i> , 2016, 52, 7818-7821.	4.1	54

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73	Detection of Nucleic Acids in Complex Samples via Magnetic Microbead-Assisted Catalyzed Hairpin Assembly and FRET. <i>Analytical Chemistry</i> , 2018, 90, 7164-7170.	6.5	54
74	Colorimetric and fluorescent dual-mode detection of microRNA based on duplex-specific nuclease assisted gold nanoparticle amplification. <i>Analyst</i> , The, 2019, 144, 4917-4924.	3.5	54
75	dsDNA-templated fluorescent copper nanoparticles: poly(AT-TA)-dependent formation. <i>RSC Advances</i> , 2014, 4, 61092-61095.	3.6	52
76	Nature-Inspired Smart DNA Nanodoctor for Activatable In Vivo Cancer Imaging and In Situ Drug Release Based on Recognition-Triggered Assembly of Split Aptamer. <i>Analytical Chemistry</i> , 2016, 88, 11699-11706.	6.5	52
77	Label-free and non-enzymatic detection of DNA based on hybridization chain reaction amplification and dsDNA-templated copper nanoparticles. <i>Analytica Chimica Acta</i> , 2014, 827, 74-79.	5.4	51
78	Sense-and-Treat DNA Nanodevice for Synergetic Destruction of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26552-26558.	8.0	51
79	Alizarin Complexone Functionalized Mesoporous Silica Nanoparticles: A Smart System Integrating Glucose-Responsive Double-Drugs Release and Real-Time Monitoring Capabilities. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8358-8366.	8.0	50
80	Hydrogel-Immobilized Coacervate Droplets as Modular Microreactor Assemblies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6853-6859.	13.8	49
81	Programmable Self-Assembly of DNA-Protein Hybrid Hydrogel for Enzyme Encapsulation with Enhanced Biological Stability. <i>Biomacromolecules</i> , 2016, 17, 1543-1550.	5.4	48
82	Scallop-Inspired DNA Nanomachine: A Ratiometric Nanothermometer for Intracellular Temperature Sensing. <i>Analytical Chemistry</i> , 2017, 89, 12115-12122.	6.5	48
83	A zeolitic imidazolate framework-8-based indocyanine green theranostic agent for infrared fluorescence imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3914-3921.	5.8	48
84	NIR-triggered drug delivery system based on phospholipid coated ordered mesoporous carbon for synergistic chemo-photothermal therapy of cancer cells. <i>Chinese Chemical Letters</i> , 2020, 31, 3158-3162.	9.0	48
85	An isothermal electrochemical biosensor for the sensitive detection of microRNA based on a catalytic hairpin assembly and supersandwich amplification. <i>Analyst</i> , The, 2017, 142, 389-396.	3.5	47
86	Low Background Cascade Signal Amplification Electrochemical Sensing Platform for Tumor-Related mRNA Quantification by Target-Activated Hybridization Chain Reaction and Electroactive Cargo Release. <i>Analytical Chemistry</i> , 2018, 90, 12544-12552.	6.5	47
87	Glutathione-Mediated Degradation of Surface-Capped MnO ₂ for Drug Release from Mesoporous Silica Nanoparticles to Cancer Cells. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 205-212.	2.3	46
88	Locked nucleic acid/DNA chimeric aptamer probe for tumor diagnosis with improved serum stability and extended imaging window in vivo. <i>Analytica Chimica Acta</i> , 2014, 812, 138-144.	5.4	45
89	Vertically Ordered Mesoporous Silica Film-Assisted Label-Free and Universal Electrochemiluminescence Aptasensor Platform. <i>Analytical Chemistry</i> , 2016, 88, 11707-11713.	6.5	45
90	A signal-on split aptasensor for highly sensitive and specific detection of tumor cells based on FRET. <i>Chemical Communications</i> , 2016, 52, 1590-1593.	4.1	45

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91	Multiplex detection of nucleic acids using a low cost microfluidic chip and a personal glucose meter at the point-of-care. <i>Chemical Communications</i> , 2014, 50, 3824-3826.	4.1	44
92	A metal-organic framework based nanocomposite with co-encapsulation of Pd@Au nanoparticles and doxorubicin for pH- and NIR-triggered synergistic chemo-photothermal treatment of cancer cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4648-4659.	5.8	44
93	DNA-Functionalized Hollow Mesoporous Silica Nanoparticles with Dual Cargo Loading for Near-Infrared-Responsive Synergistic Chemo-Photothermal Treatment of Cancer Cells. <i>ACS Applied Nano Materials</i> , 2018, 1, 3486-3497.	5.0	44
94	Self-Assembled Supramolecular Nanoprobes for Ratiometric Fluorescence Measurement of Intracellular pH Values. <i>Analytical Chemistry</i> , 2015, 87, 2459-2465.	6.5	43
95	Three-Dimensional Molecular Transfer from DNA Nanocages to Inner Gold Nanoparticle Surfaces. <i>ACS Nano</i> , 2019, 13, 4174-4182.	14.6	43
96	Colorimetric detection of mercury ion based on unmodified gold nanoparticles and target-triggered hybridization chain reaction amplification. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 283-287.	3.9	42
97	Label-Free Homogeneous Electrochemical Sensing Platform for Protein Kinase Assay Based on Carboxypeptidase Y-Assisted Peptide Cleavage and Vertically Ordered Mesoporous Silica Films. <i>Analytical Chemistry</i> , 2017, 89, 9062-9068.	6.5	42
98	A photosensitizer-loaded zinc oxide-polydopamine core-shell nanotherapeutic agent for photodynamic and photothermal synergistic therapy of cancer cells. <i>Chinese Chemical Letters</i> , 2020, 31, 189-192.	9.0	42
99	Metastatic cancer cell and tissue-specific fluorescence imaging using a new DNA aptamer developed by Cell-SELEX. <i>Talanta</i> , 2017, 170, 56-62.	5.5	41
100	Enhanced Imaging of Specific Cell-Surface Glycosylation Based on Multi-FRET. <i>Analytical Chemistry</i> , 2018, 90, 6131-6137.	6.5	41
101	Electrical Switching of DNA Monolayers Investigated by Surface Plasmon Resonance. <i>Langmuir</i> , 2006, 22, 5654-5659.	3.5	40
102	One-pot synthesis of sustained-released doxorubicin silica nanoparticles for aptamer targeted delivery to tumor cells. <i>Nanoscale</i> , 2011, 3, 2936.	5.6	40
103	Fluorescent nanoparticles for chemical and biological sensing. <i>Science China Chemistry</i> , 2011, 54, 1157-1176.	8.2	40
104	I-motif-based nano-flares for sensing pH changes in live cells. <i>Chemical Communications</i> , 2014, 50, 15768-15771.	4.1	40
105	Dumbbell DNA-templated CuNPs as a nano-fluorescent probe for detection of enzymes involved in ligase-mediated DNA repair. <i>Biosensors and Bioelectronics</i> , 2017, 94, 456-463.	10.1	40
106	Electrochemical detection of glutathione by using thymine-rich DNA-gated switch functionalized mesoporous silica nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017, 87, 459-465.	10.1	40
107	DNA nanotriangle-scaffolded activatable aptamer probe with ultralow background and robust stability for cancer theranostics. <i>Theranostics</i> , 2018, 8, 4062-4071.	10.0	40
108	Design and bioanalytical applications of DNA hairpin-based fluorescent probes. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 53, 11-20.	11.4	39

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109	Amplified electrochemical detection of protein kinase activity based on gold nanoparticles/multi-walled carbon nanotubes nanohybrids. <i>Talanta</i> , 2014, 129, 328-335.	5.5	39
110	<i>In situ</i> fluorescence activation of DNA-silver nanoclusters as a label-free and general strategy for cell nucleus imaging. <i>Chemical Communications</i> , 2018, 54, 1089-1092.	4.1	39
111	DNA aptamer-based surface plasmon resonance sensing of human C-reactive protein. <i>RSC Advances</i> , 2014, 4, 30934-30937.	3.6	38
112	Two-Color-Based Nanoflares for Multiplexed MicroRNAs Imaging in Live Cells. <i>Nanotheranostics</i> , 2018, 2, 96-105.	5.2	38
113	Enhanced surface plasmon resonance for detection of DNA hybridization based on layer-by-layer assembly films. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 227-232.	7.8	37
114	A label-free activatable aptamer probe for colorimetric detection of cancer cells based on binding-triggered in situ catalysis of split DNAzyme. <i>Analyst</i> , The, 2014, 139, 4181-4184.	3.5	37
115	An enzyme-free and amplified colorimetric detection strategy via target-aptamer binding triggered catalyzed hairpin assembly. <i>Chemical Communications</i> , 2015, 51, 937-940.	4.1	37
116	A ratiometric nanosensor based on conjugated polyelectrolyte-stabilized AgNPs for ultrasensitive fluorescent and colorimetric sensing of melamine. <i>Talanta</i> , 2016, 151, 68-74.	5.5	37
117	Nucleic acid tool enzymes-aided signal amplification strategy for biochemical analysis: status and challenges. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2793-2811.	3.7	37
118	Gold nanoparticle based fluorescent oligonucleotide probes for imaging and therapy in living systems. <i>Analyst</i> , The, 2019, 144, 1052-1072.	3.5	37
119	A Self-Serviced-Track 3D DNA Walker for Ultrasensitive Detection of Tumor Exosomes by Glycoprotein Profiling. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	37
120	One-pot synthesized Cu/Au/Pt trimetallic nanoparticles with enhanced catalytic and plasmonic properties as a universal platform for biosensing and cancer theranostics. <i>Chemical Communications</i> , 2019, 55, 2321-2324.	4.1	35
121	Label-free and sensitive assay for deoxyribonuclease I activity based on enzymatically-polymerized superlong poly(thymine)-hosted fluorescent copper nanoparticles. <i>Talanta</i> , 2017, 169, 57-63.	5.5	34
122	A Simple, pH-Activatable Fluorescent Aptamer Probe with Ultralow Background for Bispecific Tumor Imaging. <i>Analytical Chemistry</i> , 2019, 91, 9154-9160.	6.5	34
123	Recognition-Driven Remodeling of Dual-Split Aptamer Triggering In Situ Hybridization Chain Reaction for Activatable and Autonomous Identification of Cancer Cells. <i>Analytical Chemistry</i> , 2020, 92, 10839-10846.	6.5	34
124	Self-assembled DNA nanocentipedes as multivalent vehicles for enhanced delivery of CpG oligonucleotides. <i>Chemical Communications</i> , 2017, 53, 5565-5568.	4.1	33
125	Label-free and sensitive microRNA detection based on a target recycling amplification-integrated superlong poly(thymine)-hosted copper nanoparticle strategy. <i>Analytica Chimica Acta</i> , 2018, 1010, 54-61.	5.4	33
126	Ultra-pH-responsive split i-motif based aptamer anchoring strategy for specific activatable imaging of acidic tumor microenvironment. <i>Chemical Communications</i> , 2018, 54, 10288-10291.	4.1	33

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127	Hairpin-fuelled catalytic nanobeacons for amplified microRNA imaging in live cells. <i>Chemical Communications</i> , 2018, 54, 10336-10339.	4.1	33
128	Gold nanorod-seeded synthesis of Au@Ag/Au nanospheres with broad and intense near-infrared absorption for photothermal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3667-3673.	5.8	32
129	Liposome-Stabilized Black Phosphorus for Photothermal Drug Delivery and Oxygen Self-Enriched Photodynamic Therapy. <i>ACS Applied Nano Materials</i> , 2020, 3, 563-575.	5.0	32
130	Colorimetric multiplexed analysis of mercury and silver ions by using a unimolecular DNA probe and unmodified gold nanoparticles. <i>Analytical Methods</i> , 2012, 4, 3320.	2.7	31
131	Synthesis of Hollow Mesoporous Silica Nanorods with Controllable Aspect Ratios for Intracellular Triggered Drug Release in Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20558-20569.	8.0	31
132	Facile fabrication of a resveratrol loaded phospholipid@reduced graphene oxide nanoassembly for targeted and near-infrared laser-triggered chemo/photothermal synergistic therapy of cancer in vivo. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5783-5792.	5.8	31
133	Surface plasmon resonance assay for exosomes based on aptamer recognition and polydopamine-functionalized gold nanoparticles for signal amplification. <i>Mikrochimica Acta</i> , 2020, 187, 251.	5.0	31
134	Reversible stimuli-responsive controlled release using mesoporous silica nanoparticles functionalized with a smart DNA molecule-gated switch. <i>Journal of Materials Chemistry</i> , 2012, 22, 14715.	6.7	30
135	Co-loading of coralyne and indocyanine green into adenine DNA-functionalized mesoporous silica nanoparticles for pH- and near-infrared-responsive chemothermal treatment of cancer cells. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6064.	5.8	30
136	Enzyme-free amplified detection of miRNA based on target-catalyzed hairpin assembly and DNA-stabilized fluorescent silver nanoclusters. <i>Analyst</i> , 2020, 145, 5194-5199.	3.5	30
137	Evaluation of Medicine Effects on the Interaction of Myoglobin and Its Aptamer or Antibody Using Atomic Force Microscopy. <i>Analytical Chemistry</i> , 2015, 87, 2242-2248.	6.5	29
138	Polyvalent and Thermosensitive DNA Nanoensembles for Cancer Cell Detection and Manipulation. <i>Analytical Chemistry</i> , 2017, 89, 6637-6644.	6.5	29
139	Exploring Interactions of Aptamers with A β Amyloid Aggregates and Its Application: Detection of Amyloid Aggregates. <i>Analytical Chemistry</i> , 2020, 92, 2853-2858.	6.5	29
140	FRET-based nucleic acid probes: Basic designs and applications in bioimaging. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115784.	11.4	29
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