

Yingfu Li

List of Publications by Year in descending order

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242
papers

17,352
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14655

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263
times ranked

11119
citing authors

#	ARTICLE	IF	CITATIONS
1	A Lateral Flow Test for <i>Staphylococcus aureus</i> in Nasal Mucus Using a New DNAzyme as the Recognition Element. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202112346.	13.8	24
2	A Universal DNA Aptamer that Recognizes Spike Proteins of Diverse SARS-CoV-2 Variants of Concern. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	30
3	Aptamers from random sequence space: Accomplishments, gaps and future considerations. <i>Analytica Chimica Acta</i> , 2022, 1196, 339511.	5.4	44
4	A Universal DNA Aptamer that Recognizes Spike Proteins of Diverse SARS-CoV-2 Variants of Concern. <i>Chemistry - A European Journal</i> , 2022, 28, e202200524.	3.3	9
5	Investigation of discordant SARS-CoV-2 RT-PCR results using minimally processed saliva. <i>Scientific Reports</i> , 2022, 12, 2806.	3.3	7
6	DNAzyme-Immobilizing Microgel Magnetic Beads Enable Rapid, Specific, Culture-Free, and Wash-Free Electrochemical Quantification of Bacteria in Untreated Urine. <i>ACS Sensors</i> , 2022, 7, 985-994.	7.8	29
7	LISzyme Biosensors: DNAzymes Embedded in an Anti-biofouling Platform for Hands-free Real-Time Detection of Bacterial Contamination in Milk. <i>ACS Nano</i> , 2022, 16, 29-37.	14.6	20
8	A Lateral Flow Test for <i>Staphylococcus aureus</i> in Nasal Mucus Using a New DNAzyme as the Recognition Element. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	2
9	A Smartphone Operated Electrochemical Reader and Actuator that Streamlines the Operation of Electrochemical Biosensors. , 2022, 1, 014601.		88
10	Aptamers for SARS-CoV-2: Isolation, Characterization, and Diagnostic and Therapeutic Developments. <i>Analysis & Sensing</i> , 2022, 2, .	2.0	17
11	Quantifying DNA damage on paper sensors <i>via</i> controlled template-independent DNA polymerization. <i>Chemical Science</i> , 2022, 13, 6496-6501.	7.4	2
12	One Solution for All: Searching for Universal Aptamers for Constantly Mutating Spike Proteins of SARS-CoV-2. <i>ChemMedChem</i> , 2022, 17, .	3.2	7
13	A DNA Barcode-Based Aptasensor Enables Rapid Testing of Porcine Epidemic Diarrhea Viruses in Swine Saliva Using Electrochemical Readout. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	14
14	A DNA Barcode-Based Aptasensor Enables Rapid Testing of Porcine Epidemic Diarrhea Viruses in Swine Saliva Using Electrochemical Readout. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
15	Selection and Characterization of an RNA-Cleaving DNAzyme Activated by <i>Legionella pneumophila</i> . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4782-4788.	13.8	32
16	Selection and Characterization of an RNA-Cleaving DNAzyme Activated by <i>Legionella pneumophila</i> . <i>Angewandte Chemie</i> , 2021, 133, 4832-4838.	2.0	23
17	Biosensing with DNAzymes. <i>Chemical Society Reviews</i> , 2021, 50, 8954-8994.	38.1	193
18	A Highly Specific DNA Aptamer for RNase H2 from <i>Clostridium difficile</i> . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9464-9471.	8.0	17

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19	Fast-responding functional DNA superstructures for stimuli-triggered protein release. <i>Chemical Science</i> , 2021, 12, 8282-8287.	7.4	13
20	One-pot high-yield synthesis of Pd nanocubes for Pd-Ir nanocube-based immunoassay of nucleocapsid protein from SARS-CoV-2. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4635-4644.	3.7	7
21	DNAzymes as key components of biosensing systems for the detection of biological targets. <i>Biosensors and Bioelectronics</i> , 2021, 177, 112972.	10.1	44
22	A Syringe-Based DNAzyme Sensor for Bacterial Detection. <i>Analysis & Sensing</i> , 2021, 1, 95-100.	2.0	4
23	Functional Nucleic Acids Under Unusual Conditions. <i>ChemBioChem</i> , 2021, 22, 2368-2383.	2.6	10
24	Integrating programmable DNAzymes with electrical readout for rapid and culture-free bacterial detection using a handheld platform. <i>Nature Chemistry</i> , 2021, 13, 895-901.	13.6	69
25	Diverse high-affinity DNA aptamers for wild-type and B.1.1.7 SARS-CoV-2 spike proteins from a pre-structured DNA library. <i>Nucleic Acids Research</i> , 2021, 49, 7267-7279.	14.5	77
26	High-Affinity Dimeric Aptamers Enable the Rapid Electrochemical Detection of Wild-Type and B.1.1.7 SARS-CoV-2 in Unprocessed Saliva. <i>Angewandte Chemie</i> , 2021, 133, 24468-24476.	2.0	21
27	A DNA Nanoflower-Assisted Separation-Free Nucleic Acid Detection Platform with a Commercial Pregnancy Test Strip. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24823-24827.	13.8	37
28	High-Affinity Dimeric Aptamers Enable the Rapid Electrochemical Detection of Wild-Type and B.1.1.7 SARS-CoV-2 in Unprocessed Saliva. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24266-24274.	13.8	101
29	Rapid and Specific Imaging of Extracellular Signaling Molecule Adenosine Triphosphate with a Self-Phosphorylating DNAzyme. <i>Journal of the American Chemical Society</i> , 2021, 143, 15084-15090.	13.7	38
30	Target-Dependent Protection of DNA Aptamers against Nucleolytic Digestion Enables Signal-On Biosensing with Toehold-Mediated Rolling Circle Amplification. <i>Chemistry - A European Journal</i> , 2021, 27, 14543-14549.	3.3	4
31	Functional Nucleic Acids for Pathogenic Bacteria Detection. <i>Accounts of Chemical Research</i> , 2021, 54, 3540-3549.	15.6	54
32	DNAzyme-Based Biosensors: Immobilization Strategies, Applications, and Future Prospective. <i>ACS Nano</i> , 2021, 15, 13943-13969.	14.6	121
33	Target-Mediated 5'-Exonuclease Digestion of DNA Aptamers with RecJ to Modulate Rolling Circle Amplification for Biosensing. <i>ChemBioChem</i> , 2021, , .	2.6	3
34	Facile Synthesis of Pd-Ir Nanocubes for Biosensing. <i>Frontiers in Chemistry</i> , 2021, 9, 775220.	3.6	2
35	A DNA Switch for Detecting Single Nucleotide Polymorphism within a Long DNA Sequence Under Denaturing Conditions. <i>Chemistry - A European Journal</i> , 2020, 26, 592-596.	3.3	3
36	An Unintentional Discovery of a Fluorogenic DNA Probe for Ribonuclease...I. <i>ChemBioChem</i> , 2020, 21, 464-468.	2.6	12

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37	A DNA Switch for Detecting Single Nucleotide Polymorphism within a Long DNA Sequence Under Denaturing Conditions. <i>Chemistry - A European Journal</i> , 2020, 26, 568-568.	3.3	0
38	Highly Sensitive RNA-Cleaving DNAzyme Sensors from Surface-to-Surface Product Enrichment. <i>ChemBioChem</i> , 2020, 21, 632-637.	2.6	8
39	Biosensors Made of Synthetic Functional Nucleic Acids Toward Better Human Health. <i>Analytical Chemistry</i> , 2020, 92, 327-344.	6.5	60
40	Selection and applications of synthetic functional DNAs for bacterial detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115785.	11.4	39
41	Engineering Micrometer-Sized DNA Tracks for High-Speed DNA Synthesis and Biosensing. <i>Angewandte Chemie</i> , 2020, 132, 23147-23151.	2.0	3
42	Evolution of a highly functional circular DNA aptamer in serum. <i>Nucleic Acids Research</i> , 2020, 48, 10680-10690.	14.5	24
43	Engineering Micrometer-Sized DNA Tracks for High-Speed DNA Synthesis and Biosensing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22947-22951.	13.8	10
44	Abstract: Engineering Micrometer-Sized DNA Tracks for High-Speed DNA Synthesis and Biosensing (<i>Angew. Chem.</i> 51/2020). <i>Angewandte Chemie</i> , 2020, 132, 23548-23548.	2.0	0
45	Aptamer-Based Biosensors for Environmental Monitoring. <i>Frontiers in Chemistry</i> , 2020, 8, 434.	3.6	138
46	Ribbon of DNA Lattice on Gold Nanoparticles for Selective Drug Delivery to Cancer Cells. <i>Angewandte Chemie</i> , 2020, 132, 14692-14700.	2.0	5
47	Ribbon of DNA Lattice on Gold Nanoparticles for Selective Drug Delivery to Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14584-14592.	13.8	56
48	An Effective Method for Quantifying RNA Expression of <i>lbcA</i> , a Type I Toxin-Antitoxin System in <i>Escherichia coli</i> . <i>ChemBioChem</i> , 2020, 21, 3120-3130.	2.6	2
49	In Vitro Selection of New DNA Aptamers for Human Vascular Endothelial Growth Factor 165. <i>ChemBioChem</i> , 2020, 21, 2029-2036.	2.6	4
50	In Vitro Selection of a DNA Aptamer Targeting Degraded Protein Fragments for Biosensing. <i>Angewandte Chemie</i> , 2020, 132, 7780-7784.	2.0	6
51	In Vitro Selection of a DNA Aptamer Targeting Degraded Protein Fragments for Biosensing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7706-7710.	13.8	49
52	A Multi-Component All-DNA Biosensing System Controlled by a DNAzyme. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10401-10405.	13.8	45
53	A Multi-Component All-DNA Biosensing System Controlled by a DNAzyme. <i>Angewandte Chemie</i> , 2020, 132, 10487-10491.	2.0	2
54	Circular Nucleic Acids: Discovery, Functions and Applications. <i>ChemBioChem</i> , 2020, 21, 1547-1566.	2.6	43

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55	Protein-Mediated Suppression of Rolling Circle Amplification for Biosensing with an Aptamer-Containing DNA Primer. <i>Chemistry - A European Journal</i> , 2020, 26, 5085-5092.	3.3	27
56	Advances in functional nucleic acid based paper sensors. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3213-3230.	5.8	45
57	Abstract: In Vitro Selection of a DNA Aptamer Targeting Degraded Protein Fragments for Biosensing (<i>Angew. Chem.</i> 20/2020). <i>Angewandte Chemie</i> , 2020, 132, 8042-8042.	2.0	0
58	In Vitro Selection of Circular DNA Aptamers for Biosensing Applications. <i>Angewandte Chemie</i> , 2019, 131, 8097-8101.	2.0	8
59	A DNAzyme-Based Colorimetric Paper Sensor for <i>Helicobacter pylori</i> . <i>Angewandte Chemie</i> , 2019, 131, 10012-10016.	2.0	29
60	A DNAzyme-Based Colorimetric Paper Sensor for <i>Helicobacter pylori</i> . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9907-9911.	13.8	115
61	In Vitro Selection of Circular DNA Aptamers for Biosensing Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8013-8017.	13.8	69
62	Unraveling Determinants of Affinity Enhancement in Dimeric Aptamers for a Dimeric Protein. <i>Scientific Reports</i> , 2019, 9, 17824.	3.3	23
63	Investigation of RNA structure-switching aptamers in tunable sol-gel-derived materials. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 234-243.	2.4	2
64	DNAzymes: Synthetic Enzymes Made of DNA. , 2019, , 1-16.		0
65	A Paper Sensor Printed with Multifunctional Bio/Nano Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4549-4553.	13.8	73
66	Frontispiece: DNAzyme Feedback Amplification: Relaying Molecular Recognition to Exponential DNA Amplification. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
67	Serendipitous Discovery of a Guanine-rich DNA Molecule with a Highly Stable Structure in Urea. <i>Scientific Reports</i> , 2018, 8, 1935.	3.3	11
68	DNAzymes: Selected for Applications. <i>Small Methods</i> , 2018, 2, 1700319.	8.6	116
69	A Paper Sensor Printed with Multifunctional Bio/Nano Materials. <i>Angewandte Chemie</i> , 2018, 130, 4639-4643.	2.0	21
70	Selection and characterization of DNA aptamers for detection of glutamate dehydrogenase from <i>Clostridium difficile</i> . <i>Biochimie</i> , 2018, 145, 151-157.	2.6	20
71	DNAzyme Feedback Amplification: Relaying Molecular Recognition to Exponential DNA Amplification. <i>Chemistry - A European Journal</i> , 2018, 24, 4473-4479.	3.3	21
72	Discovery of Butyrylcholinesterase-Activated Near-Infrared Fluorogenic Probe for Live-Cell and In Vivo Imaging. <i>ACS Sensors</i> , 2018, 3, 2118-2128.	7.8	67

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73	Graphene-DNAzyme-based fluorescent biosensor for Escherichia coli detection. MRS Communications, 2018, 8, 687-694.	1.8	40
74	Self-Assembled Functional DNA Superstructures as High-Density and Versatile Recognition Elements for Printed Paper Sensors. Angewandte Chemie, 2018, 130, 12620-12623.	2.0	19
75	Self-Assembled Functional DNA Superstructures as High-Density and Versatile Recognition Elements for Printed Paper Sensors. Angewandte Chemie - International Edition, 2018, 57, 12440-12443.	13.8	58
76	Colorimetric Detection of Uranyl Using a Litmus Test. Frontiers in Chemistry, 2018, 6, 332.	3.6	14
77	Target-Induced Catalytic Assembly of Y-Shaped DNA and Its Application for In-Situ Imaging of MicroRNAs. Angewandte Chemie - International Edition, 2018, 57, 9739-9743.	13.8	118
78	Target-Induced Catalytic Assembly of Y-Shaped DNA and Its Application for In-Situ Imaging of MicroRNAs. Angewandte Chemie, 2018, 130, 9887-9891.	2.0	17
79	RNA Protection is Effectively Achieved by Pullulan Film Formation. ChemBioChem, 2017, 18, 502-505.	2.6	22
80	Automating multi-step paper-based assays using integrated layering of reagents. Lab on A Chip, 2017, 17, 943-950.	6.0	20
81	Optical biosensors utilizing graphene and functional DNA molecules. Journal of Materials Research, 2017, 32, 2973-2983.	2.6	7
82	Sol-Gel-Derived Biohybrid Materials Incorporating Long-Chain DNA Aptamers. Angewandte Chemie - International Edition, 2017, 56, 10686-10690.	13.8	18
83	A DNAzyme Feedback Amplification Strategy for Biosensing. Angewandte Chemie, 2017, 129, 6238-6242.	2.0	37
84	A DNAzyme Feedback Amplification Strategy for Biosensing. Angewandte Chemie - International Edition, 2017, 56, 6142-6146.	13.8	126
85	A Printed Multicomponent Paper Sensor for Bacterial Detection. Scientific Reports, 2017, 7, 12335.	3.3	82
86	Discovery and Biosensing Applications of Diverse RNA-Cleaving DNAzymes. Accounts of Chemical Research, 2017, 50, 2273-2283.	15.6	228
87	Detection of DNA Amplicons of Polymerase Chain Reaction Using Litmus Test. Scientific Reports, 2017, 7, 3110.	3.3	15
88	Electrophoretic Concentration and Electrical Lysis of Bacteria in a Microfluidic Device Using a Nanoporous Membrane. Micromachines, 2017, 8, 45.	2.9	20
89	In Vitro Selection of DNA Aptamers that Binds Geniposide. Molecules, 2017, 22, 383.	3.8	9
90	RiboFACSeq: A new method for investigating metabolic and transport pathways in bacterial cells by combining a riboswitch-based sensor, fluorescence-activated cell sorting and next-generation sequencing. PLoS ONE, 2017, 12, e0188399.	2.5	5

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91	Solâ€“Gelâ€“Derived Biohybrid Materials Incorporating Longâ€“Chain DNA Aptamers. <i>Angewandte Chemie</i> , 2017, 129, 10826-10830.	2.0	2
92	Integrating Deoxyribozymes into Colorimetric Sensing Platforms. <i>Sensors</i> , 2016, 16, 2061.	3.8	41
93	Targetâ€“Induced and Equipmentâ€“Free DNA Amplification with a Simple Paper Device. <i>Angewandte Chemie</i> , 2016, 128, 2759-2763.	2.0	38
94	Topological DNA Assemblies Containing Identical or Fraternal Twins. <i>ChemBioChem</i> , 2016, 17, 1142-1145.	2.6	3
95	A Catalytic DNA Activated by a Specific Strain of Bacterial Pathogen. <i>Angewandte Chemie</i> , 2016, 128, 2477-2480.	2.0	23
96	A Catalytic DNA Activated by a Specific Strain of Bacterial Pathogen. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2431-2434.	13.8	91
97	Programming a topologically constrained DNA nanostructure into a sensor. <i>Nature Communications</i> , 2016, 7, 12074.	12.8	67
98	Colorimetric Detection of Bacteria Using Litmus Test. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	3
99	Targetâ€“Induced and Equipmentâ€“Free DNA Amplification with a Simple Paper Device. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2709-2713.	13.8	113
100	In vitro selection of RNA-cleaving DNAzymes for bacterial detection. <i>Methods</i> , 2016, 106, 66-75.	3.8	44
101	Simple and ultrastable all-inclusive pullulan tablets for challenging bioassays. <i>Chemical Science</i> , 2016, 7, 2342-2346.	7.4	36
102	Frozen vs Fresh Fecal Microbiota Transplantation and Clinical Resolution of Diarrhea in Patients With Recurrent <i>Clostridium difficile</i> Infection. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 142.	7.4	511
103	A Quarter Century of In Vitro Selection. <i>Journal of Molecular Evolution</i> , 2015, 81, 137-139.	1.8	10
104	Evolution of an Enzyme from a Noncatalytic Nucleic Acid Sequence. <i>Scientific Reports</i> , 2015, 5, 11405.	3.3	15
105	Optimal DNA Templates for Rolling Circle Amplification Revealed by In Vitro Selection. <i>Chemistry - A European Journal</i> , 2015, 21, 8069-8074.	3.3	25
106	Biosensing by Tandem Reactions of Structure Switching, Nucleolytic Digestion, and DNA Amplification of a DNA Assembly. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9637-9641.	13.8	63
107	An Efficient Catalytic DNA that Cleaves L-RNA. <i>PLoS ONE</i> , 2015, 10, e0126402.	2.5	18
108	Fluorescence Activation Imaging of Cytochrome c Released from Mitochondria Using Aptameric Nanosensor. <i>Journal of the American Chemical Society</i> , 2015, 137, 982-989.	13.7	163

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109	Patterned Paper Sensors Printed with Long-Chain DNA Aptamers. <i>Chemistry - A European Journal</i> , 2015, 21, 7369-7373.	3.3	66
110	Integrating graphene oxide, functional DNA and nucleic-acid-manipulating strategies for amplified biosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 74, 120-129.	11.4	33
111	Printed Paper Sensors for Serum Lactate Dehydrogenase using Pullulan-Based Inks to Immobilize Reagents. <i>Analytical Chemistry</i> , 2015, 87, 9288-9293.	6.5	66
112	Sequence Mutation and Structural Alteration Transform a Noncatalytic DNA Sequence into an Efficient RNA-Cleaving DNAzyme. <i>Journal of Molecular Evolution</i> , 2015, 81, 245-253.	1.8	9
113	Highly Specific Recognition of Breast Tumors by an RNA-Cleaving Fluorogenic DNAzyme Probe. <i>Analytical Chemistry</i> , 2015, 87, 569-577.	6.5	48
114	Determination of Mercury(II) by Fluorescence Using Deoxyribonucleic Acid Stabilized Silver Nanoclusters. <i>Analytical Letters</i> , 2015, 48, 281-290.	1.8	10
115	Examination of Bacterial Inhibition Using a Catalytic DNA. <i>PLoS ONE</i> , 2014, 9, e115640.	2.5	5
116	Translating Bacterial Detection by DNAzymes into a Litmus Test. <i>Angewandte Chemie</i> , 2014, 126, 13013-13016.	2.0	45
117	Turning Tryptophanase into Odor-Generating Biosensors. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2620-2622.	13.8	11
118	Translating Bacterial Detection by DNAzymes into a Litmus Test. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12799-12802.	13.8	188
119	Arrest of Rolling Circle Amplification by Protein-Binding DNA Aptamers. <i>Chemistry - A European Journal</i> , 2014, 20, 2420-2424.	3.3	36
120	Pullulan Encapsulation of Labile Biomolecules to Give Stable Bioassay Tablets. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6155-6158.	13.8	75
121	Lysozyme-stabilized gold nanoclusters as a novel fluorescence probe for cyanide recognition. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 77-80.	3.9	68
122	A General Strategy to Create RNA Aptamer Sensors Using α -Regulated Graphene Oxide Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21806-21812.	8.0	30
123	Engineering interlocking DNA rings with weak physical interactions. <i>Nature Communications</i> , 2014, 5, 4279.	12.8	48
124	An inkjet-printed bioactive paper sensor that reports ATP through odour generation. <i>Analyst</i> , The, 2014, 139, 4775.	3.5	10
125	Artificial Riboswitch Selection: A FACS-Based Approach. <i>Methods in Molecular Biology</i> , 2014, 1111, 57-75.	0.9	4
126	Fluorescence Analysis of the Properties of Structure-Switching DNA Aptamers Entrapped in Sol-Gel-Derived Silica Materials. <i>Chemistry of Materials</i> , 2014, 26, 1896-1904.	6.7	14

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127	A Graphene-Based Biosensing Platform Based on the Release of DNA Probes and Rolling Circle Amplification. <i>ACS Nano</i> , 2014, 8, 5564-5573.	14.6	139
128	A novel phosphorescence sensor for Co ²⁺ ion based on Mn-doped ZnS quantum dots. <i>Luminescence</i> , 2014, 29, 151-157.	2.9	41
129	A Dual Reporter System for Detecting RNA Interactions in Bacterial Cells. <i>ChemBioChem</i> , 2014, 15, 2703-2709.	2.6	0
130	Construction and Application of Riboswitch-Based Sensors That Detect Metabolites Within Bacterial Cells. <i>Methods in Molecular Biology</i> , 2014, 1103, 177-197.	0.9	4
131	Small Size, Big Impact: Bacterial Functional Nucleic Acids and Their Applications. , 2014, , 309-323.		1
132	Therapeutic Peptides: New Arsenal Against Drug Resistant Pathogens. <i>Current Pharmaceutical Design</i> , 2014, 20, 771-792.	1.9	13
133	Evolving Wonder-RNAs in a Test Tube. <i>Journal of Molecular Evolution</i> , 2013, 77, 197-198.	1.8	2
134	Exploration of Structure-Switching in the Design of Aptamer Biosensors. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 140, 69-92.	1.1	9
135	A novel far-visible and near-infrared pH probe for monitoring near-neutral physiological pH changes: imaging in live cells. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4281.	5.8	80
136	Exploring Intermolecular Interactions of a Substrate Binding Protein Using a Riboswitch-Based Sensor. <i>Chemistry and Biology</i> , 2013, 20, 1502-1512.	6.0	16
137	Phosphorescence detection of L-ascorbic acid with surface-attached N-acetyl-L-cysteine and L-cysteine Mn doped ZnS quantum dots. <i>Talanta</i> , 2013, 116, 794-800.	5.5	23
138	A Highly Efficient Molecular Cloning Platform that Utilises a Small Bacterial Toxin Gene. <i>ChemBioChem</i> , 2013, 14, 733-738.	2.6	10
139	Turning a Kinase Deoxyribozyme into a Sensor. <i>Journal of the American Chemical Society</i> , 2013, 135, 7181-7186.	13.7	54
140	Quality Control Certification of RNA Aptamer-Based Detection. <i>ChemBioChem</i> , 2013, 14, 987-992.	2.6	8
141	A Sensitive DNA Enzyme-Based Fluorescent Assay for Bacterial Detection. <i>Biomolecules</i> , 2013, 3, 563-577.	4.0	59
142	Assessing the Amount of Quadruplex Structures Present within G2-Tract Synthetic Random-Sequence DNA Libraries. <i>PLoS ONE</i> , 2013, 8, e64131.	2.5	13
143	Artificially Created Nucleic Acids and Peptides/Proteins in Chemical Biology. <i>Journal of Nucleic Acids</i> , 2013, 2013, 1-2.	1.2	3
144	Detection of Bacteria Using Fluorogenic DNAzymes. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	14

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145	Stabilizing Structure-Switching Signaling RNA Aptamers by Entrapment in Solâ€“Gel Derived Materials for Solid-Phase Assays. <i>Journal of the American Chemical Society</i> , 2012, 134, 10998-11005.	13.7	47
146	Developing Fluorogenic RNA-Cleaving DNAzymes for Biosensing Applications. <i>Methods in Molecular Biology</i> , 2012, 848, 395-418.	0.9	13
147	Synthesis and evaluation of glucosamine-6-phosphate analogues as activators of glmS riboswitch. <i>Tetrahedron</i> , 2012, 68, 9405-9412.	1.9	17
148	Lighting Up RNA-Cleaving DNAzymes for Biosensing. <i>Journal of Nucleic Acids</i> , 2012, 2012, 1-8.	1.2	24
149	Multiplexed paper test strip for quantitative bacterial detection. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1567-1576.	3.7	194
150	Characterization of non-8â€“17 sequences uncovers structurally diverse RNA-cleaving deoxyribozymes. <i>Molecular BioSystems</i> , 2011, 7, 2139.	2.9	16
151	Functional Nucleic Acids for Fluorescence-Based Biosensing Applications. <i>Springer Series on Fluorescence</i> , 2011, , 201-221.	0.8	4
152	Surface Immobilization of Structure-Switching DNA Aptamers on Macroporous Solâ€“Gel-Derived Films for Solid-Phase Biosensing Applications. <i>Analytical Chemistry</i> , 2011, 83, 957-965.	6.5	40
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