# Yingfu Li

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6000594/publications.pdf

Version: 2024-02-01

| | | 16791 | 18400 |
|---|---|---|---|
| 242 | 17,352 | 66 | 124 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 263 | 263 | 263 | 12433 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Lateral Flow Test for Staphylococcus aureus in Nasal Mucus Using a New DNAzyme as the Recognition Element. Angewandte Chemie - International Edition, 2022, 61, e202112346. | 7.2 | 24 |
| 2 | A Universal DNA Aptamer that Recognizes Spike Proteins of Diverse SARSâ€CoVâ€2 Variants of Concern. Chemistry - A European Journal, 2022, 28, . | 1.7 | 30 |
| 3 | Aptamers from random sequence space: Accomplishments, gaps and future considerations. Analytica Chimica Acta, 2022, 1196, 339511. | 2.6 | 44 |
| 4 | A Universal DNA Aptamer that Recognizes Spike Proteins of Diverse SARSâ€CoVâ€2 Variants of Concern. Chemistry - A European Journal, 2022, 28, e202200524. | 1.7 | 9 |
| 5 | Investigation of discordant SARS-CoV-2 RT-PCR results using minimally processed saliva. Scientific Reports, 2022, 12, 2806. | 1.6 | 7 |
| 6 | DNAzyme-Immobilizing Microgel Magnetic Beads Enable Rapid, Specific, Culture-Free, and Wash-Free Electrochemical Quantification of Bacteria in Untreated Urine. ACS Sensors, 2022, 7, 985-994. | 4.0 | 29 |
| 7 | LISzyme Biosensors: DNAzymes Embedded in an Anti-biofouling Platform for Hands-free Real-Time Detection of Bacterial Contamination in Milk. ACS Nano, 2022, 16, 29-37. | 7.3 | 20 |
| 8 | A Lateral Flow Test for Staphylococcus aureus in Nasal Mucus Using a New DNAzyme as the Recognition Element. Angewandte Chemie, 2022, 134, . | 1.6 | 2 |
| 9 | A Smartphone Operated Electrochemical Reader and Actuator that Streamlines the Operation of Electrochemical Biosensors. , 2022, 1, 014601. | | 88 |
| 10 | Aptamers for SARSâ€CoVâ€2: Isolation, Characterization, and Diagnostic and Therapeutic Developments. Analysis & Sensing, 2022, 2, . | 1.1 | 17 |
| 11 | Quantifying DNA damage on paper sensors via controlled template-independent DNA polymerization. Chemical Science, 2022, 13, 6496-6501. | 3.7 | 2 |
| 12 | One Solution for All: Searching for Universal Aptamers for Constantly Mutating Spike Proteins of SARSâ€CoVâ€2. ChemMedChem, 2022, 17, . | 1.6 | 7 |
| 13 | A DNA Barcodeâ€Based Aptasensor Enables Rapid Testing of Porcine Epidemic Diarrhea Viruses in Swine Saliva Using Electrochemical Readout. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 14 |
| 14 | A DNA Barcodeâ€Based Aptasensor Enables Rapid Testing of Porcine Epidemic Diarrhea Viruses in Swine Saliva Using Electrochemical Readout. Angewandte Chemie, 2022, 134, . | 1.6 | 5 |
| 15 | Selection and Characterization of an RNAâ€Cleaving DNAzyme Activated by Legionella pneumophila. Angewandte Chemie - International Edition, 2021, 60, 4782-4788. | 7.2 | 32 |
| 16 | Selection and Characterization of an RNAâ€Cleaving DNAzyme Activated by Legionella pneumophila. Angewandte Chemie, 2021, 133, 4832-4838. | 1.6 | 23 |
| 17 | Biosensing with DNAzymes. Chemical Society Reviews, 2021, 50, 8954-8994. | 18.7 | 193 |
| 18 | A Highly Specific DNA Aptamer for RNase H2 from Clostridium difficile. ACS Applied Materials & Interfaces, 2021, 13, 9464-9471. | 4.0 | 17 |

| # | Article | IF | Citations |
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| 19 | Fast-responding functional DNA superstructures for stimuli-triggered protein release. Chemical Science, 2021, 12, 8282-8287. | 3.7 | 13 |
| 20 | One-pot high-yield synthesis of Pd nanocubes for Pd-Ir nanocube-based immunoassay of nucleocapsid protein from SARS-CoV-2. Analytical and Bioanalytical Chemistry, 2021, 413, 4635-4644. | 1.9 | 7 |
| 21 | DNAzymes as key components of biosensing systems for the detection of biological targets. Biosensors and Bioelectronics, 2021, 177, 112972. | 5.3 | 44 |
| 22 | A Syringeâ€Based DNAzyme Sensor for Bacterial Detection. Analysis & Sensing, 2021, 1, 95-100. | 1.1 | 4 |
| 23 | Functional Nucleic Acids Under Unusual Conditions. ChemBioChem, 2021, 22, 2368-2383. | 1.3 | 10 |
| 24 | Integrating programmable DNAzymes with electrical readout for rapid and culture-free bacterial detection using a handheld platform. Nature Chemistry, 2021, 13, 895-901. | 6.6 | 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. Nucleic Acids Research, 2021, 49, 7267-7279. | 6.5 | 77 |
| 26 | Highâ€Affinity Dimeric Aptamers Enable the Rapid Electrochemical Detection of Wildâ€Type and B.1.1.7 SARSâ€CoVâ€2 in Unprocessed Saliva. Angewandte Chemie, 2021, 133, 24468-24476. | 1.6 | 21 |
| 27 | A DNA Nanoflowerâ€Assisted Separationâ€Free Nucleic Acid Detection Platform with a Commercial Pregnancy Test Strip. Angewandte Chemie - International Edition, 2021, 60, 24823-24827. | 7.2 | 37 |
| 28 | Highâ€Affinity Dimeric Aptamers Enable the Rapid Electrochemical Detection of Wildâ€Type and B.1.1.7 SARSâ€CoVâ€2 in Unprocessed Saliva. Angewandte Chemie - International Edition, 2021, 60, 24266-24274. | 7.2 | 101 |
| 29 | Rapid and Specific Imaging of Extracellular Signaling Molecule Adenosine Triphosphate with a Self-Phosphorylating DNAzyme. Journal of the American Chemical Society, 2021, 143, 15084-15090. | 6.6 | 38 |
| 30 | Targetâ€Dependent Protection of DNA Aptamers against Nucleolytic Digestion Enables Signalâ€On Biosensing with Toeholdâ€Mediated Rolling Circle Amplification. Chemistry - A European Journal, 2021, 27, 14543-14549. | 1.7 | 4 |
| 31 | Functional Nucleic Acids for Pathogenic Bacteria Detection. Accounts of Chemical Research, 2021, 54, 3540-3549. | 7.6 | 54 |
| 32 | DNAzyme-Based Biosensors: Immobilization Strategies, Applications, and Future Prospective. ACS Nano, 2021, 15, 13943-13969. | 7.3 | 121 |
| 33 | Targetâ€Mediated 5â€™â€Exonuclease Digestion of DNA Aptamers with RecJ to Modulate Rolling Circle Amplification for Biosensing. ChemBioChem, 2021, , . | 1.3 | 3 |
| 34 | Facile Synthesis of Pd-Ir Nanocubes for Biosensing. Frontiers in Chemistry, 2021, 9, 775220. | 1.8 | 2 |
| 35 | A DNA Switch for Detecting Single Nucleotide Polymorphism within a Long DNA Sequence Under Denaturing Conditions. Chemistry - A European Journal, 2020, 26, 592-596. | 1.7 | 3 |
| 36 | An Unintentional Discovery of a Fluorogenic DNA Probe for Ribonucleaseâ€...I. ChemBioChem, 2020, 21, 464-468. | 1.3 | 12 |

| # | Article | IF | Citations |
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| 37 | A DNA Switch for Detecting Single Nucleotide Polymorphism within a Long DNA Sequence Under Denaturing Conditions. Chemistry - A European Journal, 2020, 26, 568-568. | 1.7 | 0 |
| 38 | Highly Sensitive RNAâ€Cleaving DNAzyme Sensors from Surfaceâ€toâ€Surface Product Enrichment. ChemBioChem, 2020, 21, 632-637. | 1.3 | 8 |
| 39 | Biosensors Made of Synthetic Functional Nucleic Acids Toward Better Human Health. Analytical Chemistry, 2020, 92, 327-344. | 3.2 | 60 |
| 40 | Selection and applications of synthetic functional DNAs for bacterial detection. TrAC - Trends in Analytical Chemistry, 2020, 124, 115785. | 5.8 | 39 |
| 41 | Engineering Micrometerâ€Sized DNA Tracks for Highâ€Speed DNA Synthesis and Biosensing. Angewandte Chemie, 2020, 132, 23147-23151. | 1.6 | 3 |
| 42 | Evolution of a highly functional circular DNA aptamer in serum. Nucleic Acids Research, 2020, 48, 10680-10690. | 6.5 | 24 |
| 43 | Engineering Micrometerâ€Sized DNA Tracks for Highâ€Speed DNA Synthesis and Biosensing. Angewandte Chemie - International Edition, 2020, 59, 22947-22951. | 7.2 | 10 |
| 44 | RÃ¼cktitelbild: Engineering Micrometerâ€Sized DNA Tracks for Highâ€Speed DNA Synthesis and Biosensing (Angew. Chem. 51/2020). Angewandte Chemie, 2020, 132, 23548-23548. | 1.6 | 0 |
| 45 | Aptamer-Based Biosensors for Environmental Monitoring. Frontiers in Chemistry, 2020, 8, 434. | 1.8 | 138 |
| 46 | Ribbon of DNA Lattice on Gold Nanoparticles for Selective Drug Delivery to Cancer Cells. Angewandte Chemie, 2020, 132, 14692-14700. | 1.6 | 5 |
| 47 | Ribbon of DNA Lattice on Gold Nanoparticles for Selective Drug Delivery to Cancer Cells. Angewandte Chemie - International Edition, 2020, 59, 14584-14592. | 7.2 | 56 |
| 48 | An Effective Method for Quantifying RNA Expression of IbsCâ€SibC, a Type I Toxinâ€Antitoxin System in Escherichia coli. ChemBioChem, 2020, 21, 3120-3130. | 1.3 | 2 |
| 49 | In Vitro Selection of New DNA Aptamers for Human Vascular Endothelial Growth Factor 165. ChemBioChem, 2020, 21, 2029-2036. | 1.3 | 4 |
| 50 | Inâ€…Vitro Selection of a DNA Aptamer Targeting Degraded Protein Fragments for Biosensing. Angewandte Chemie, 2020, 132, 7780-7784. | 1.6 | 6 |
| 51 | Inâ€…Vitro Selection of a DNA Aptamer Targeting Degraded Protein Fragments for Biosensing. Angewandte Chemie - International Edition, 2020, 59, 7706-7710. | 7.2 | 49 |
| 52 | A Multiâ€component Allâ€DNA Biosensing System Controlled by a DNAzyme. Angewandte Chemie - International Edition, 2020, 59, 10401-10405. | 7.2 | 45 |
| 53 | A Multiâ€component Allâ€DNA Biosensing System Controlled by a DNAzyme. Angewandte Chemie, 2020, 132, 10487-10491. | 1.6 | 2 |
| 54 | Circular Nucleic Acids: Discovery, Functions and Applications. ChemBioChem, 2020, 21, 1547-1566. | 1.3 | 43 |

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| 55 | Proteinâ€Mediated Suppression of Rolling Circle Amplification for Biosensing with an Aptamerâ€Containing DNA Primer. Chemistry - A European Journal, 2020, 26, 5085-5092. | 1.7 | 27 |
| 56 | Advances in functional nucleic acid based paper sensors. Journal of Materials Chemistry B, 2020, 8, 3213-3230. | 2.9 | 45 |
| 57 | RÃ¼cktitelbild: Inâ€...Vitro Selection of a DNA Aptamer Targeting Degraded Protein Fragments for Biosensing (Angew. Chem. 20/2020). Angewandte Chemie, 2020, 132, 8042-8042. | 1.6 | 0 |
| 58 | In Vitro Selection of Circular DNA Aptamers for Biosensing Applications. Angewandte Chemie, 2019, 131, 8097-8101. | 1.6 | 8 |
| 59 | A DNAzymeâ€Based Colorimetric Paper Sensor for Helicobacter pylori. Angewandte Chemie, 2019, 131, 10012-10016. | 1.6 | 29 |
| 60 | A DNAzymeâ€Based Colorimetric Paper Sensor for Helicobacter pylori. Angewandte Chemie - International Edition, 2019, 58, 9907-9911. | 7.2 | 115 |
| 61 | In Vitro Selection of Circular DNA Aptamers for Biosensing Applications. Angewandte Chemie - International Edition, 2019, 58, 8013-8017. | 7.2 | 69 |
| 62 | Unraveling Determinants of Affinity Enhancement in Dimeric Aptamers for a Dimeric Protein. Scientific Reports, 2019, 9, 17824. | 1.6 | 23 |
| 63 | Investigation of RNA structure-switching aptamers in tunable solâ€“gel-derived materials. Journal of Sol-Gel Science and Technology, 2019, 89, 234-243. | 1.1 | 2 |
| 64 | DNAzymes: Synthetic Enzymes Made of DNA. , 2019, , 1-16. | | 0 |
| 65 | A Paper Sensor Printed with Multifunctional Bio/Nano Materials. Angewandte Chemie - International Edition, 2018, 57, 4549-4553. | 7.2 | 73 |
| 66 | Frontispiece: DNAzyme Feedback Amplification: Relaying Molecular Recognition to Exponential DNA Amplification. Chemistry - A European Journal, 2018, 24, . | 1.7 | 0 |
| 67 | Serendipitous Discovery of a Guanine-rich DNA Molecule with a Highly Stable Structure in Urea. Scientific Reports, 2018, 8, 1935. | 1.6 | 11 |
| 68 | DNAzymes: Selected for Applications. Small Methods, 2018, 2, 1700319. | 4.6 | 116 |
| 69 | A Paper Sensor Printed with Multifunctional Bio/Nano Materials. Angewandte Chemie, 2018, 130, 4639-4643. | 1.6 | 21 |
| 70 | Selection and characterization of DNA aptamers for detection of glutamate dehydrogenase from Clostridium difficile. Biochimie, 2018, 145, 151-157. | 1.3 | 20 |
| 71 | DNAzyme Feedback Amplification: Relaying Molecular Recognition to Exponential DNA Amplification. Chemistry - A European Journal, 2018, 24, 4473-4479. | 1.7 | 21 |
| 72 | Discovery of Butyrylcholinesterase-Activated Near-Infrared Fluorogenic Probe for Live-Cell and In Vivo Imaging. ACS Sensors, 2018, 3, 2118-2128. | 4.0 | 67 |

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| 73 | Graphene-DNAzyme-based fluorescent biosensor for Escherichia coli detection. MRS Communications, 2018, 8, 687-694. | 0.8 | 40 |
| 74 | Selfâ€Assembled Functional DNA Superstructures as Highâ€Density and Versatile Recognition Elements for Printed Paper Sensors. Angewandte Chemie, 2018, 130, 12620-12623. | 1.6 | 19 |
| 75 | Selfâ€Assembled Functional DNA Superstructures as Highâ€Density and Versatile Recognition Elements for Printed Paper Sensors. Angewandte Chemie - International Edition, 2018, 57, 12440-12443. | 7.2 | 58 |
| 76 | Colorimetric Detection of Uranyl Using a Litmus Test. Frontiers in Chemistry, 2018, 6, 332. | 1.8 | 14 |
| 77 | Targetâ€Induced Catalytic Assembly of Yâ€Shaped DNA and Its Application for Inâ€…Situ Imaging of MicroRNAs. Angewandte Chemie - International Edition, 2018, 57, 9739-9743. | 7.2 | 118 |
| 78 | Targetâ€Induced Catalytic Assembly of Yâ€Shaped DNA and Its Application for Inâ€…Situ Imaging of MicroRNAs. Angewandte Chemie, 2018, 130, 9887-9891. | 1.6 | 17 |
| 79 | RNA Protection is Effectively Achieved by Pullulan Film Formation. ChemBioChem, 2017, 18, 502-505. | 1.3 | 22 |
| 80 | Automating multi-step paper-based assays using integrated layering of reagents. Lab on A Chip, 2017, 17, 943-950. | 3.1 | 20 |
| 81 | Optical biosensors utilizing graphene and functional DNA molecules. Journal of Materials Research, 2017, 32, 2973-2983. | 1.2 | 7 |
| 82 | Solâ€“Gelâ€Derived Biohybrid Materials Incorporating Longâ€Chain DNA Aptamers. Angewandte Chemie - International Edition, 2017, 56, 10686-10690. | 7.2 | 18 |
| 83 | A DNAzyme Feedback Amplification Strategy for Biosensing. Angewandte Chemie, 2017, 129, 6238-6242. | 1.6 | 37 |
| 84 | A DNAzyme Feedback Amplification Strategy for Biosensing. Angewandte Chemie - International Edition, 2017, 56, 6142-6146. | 7.2 | 126 |
| 85 | A Printed Multicomponent Paper Sensor for Bacterial Detection. Scientific Reports, 2017, 7, 12335. | 1.6 | 82 |
| 86 | Discovery and Biosensing Applications of Diverse RNA-Cleaving DNAzymes. Accounts of Chemical Research, 2017, 50, 2273-2283. | 7.6 | 228 |
| 87 | Detection of DNA Amplicons of Polymerase Chain Reaction Using Litmus Test. Scientific Reports, 2017, 7, 3110. | 1.6 | 15 |
| 88 | Electrophoretic Concentration and Electrical Lysis of Bacteria in a Microfluidic Device Using a Nanoporous Membrane. Micromachines, 2017, 8, 45. | 1.4 | 20 |
| 89 | In Vitro Selection of DNA Aptamers that Binds Geniposide. Molecules, 2017, 22, 383. | 1.7 | 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. | 1.1 | 5 |

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| 91 | Solâ€“Gelâ€Derived Biohybrid Materials Incorporating Longâ€Chain DNA Aptamers. Angewandte Chemie, 2017, 129, 10826-10830. | 1.6 | 2 |
| 92 | Integrating Deoxyribozymes into Colorimetric Sensing Platforms. Sensors, 2016, 16, 2061. | 2.1 | 41 |
| 93 | Targetâ€Induced and Equipmentâ€Free DNA Amplification with a Simple Paper Device. Angewandte Chemie, 2016, 128, 2759-2763. | 1.6 | 38 |
| 94 | Topological DNA Assemblies Containing Identical or Fraternal Twins. ChemBioChem, 2016, 17, 1142-1145. | 1.3 | 3 |
| 95 | A Catalytic DNA Activated by a Specific Strain of Bacterial Pathogen. Angewandte Chemie, 2016, 128, 2477-2480. | 1.6 | 23 |
| 96 | A Catalytic DNA Activated by a Specific Strain of Bacterial Pathogen. Angewandte Chemie - International Edition, 2016, 55, 2431-2434. | 7.2 | 91 |
| 97 | Programming a topologically constrained DNA nanostructure into a sensor. Nature Communications, 2016, 7, 12074. | 5.8 | 67 |
| 98 | Colorimetric Detection of Bacteria Using Litmus Test. Journal of Visualized Experiments, 2016, , . | 0.2 | 3 |
| 99 | Targetâ€Induced and Equipmentâ€Free DNA Amplification with a Simple Paper Device. Angewandte Chemie - International Edition, 2016, 55, 2709-2713. | 7.2 | 113 |
| 100 | In vitro selection of RNA-cleaving DNAzymes for bacterial detection. Methods, 2016, 106, 66-75. | 1.9 | 44 |
| 101 | Simple and ultrastable all-inclusive pullulan tablets for challenging bioassays. Chemical Science, 2016, 7, 2342-2346. | 3.7 | 36 |
| 102 | Frozen vs Fresh Fecal Microbiota Transplantation and Clinical Resolution of Diarrhea in Patients With RecurrentClostridium difficileInfection. JAMA - Journal of the American Medical Association, 2016, 315, 142. | 3.8 | 511 |
| 103 | A Quarter Century of In Vitro Selection. Journal of Molecular Evolution, 2015, 81, 137-139. | 0.8 | 10 |
| 104 | Evolution of an Enzyme from a Noncatalytic Nucleic Acid Sequence. Scientific Reports, 2015, 5, 11405. | 1.6 | 15 |
| 105 | Optimal DNA Templates for Rolling Circle Amplification Revealed by In Vitro Selection. Chemistry - A European Journal, 2015, 21, 8069-8074. | 1.7 | 25 |
| 106 | Biosensing by Tandem Reactions of Structure Switching, Nucleolytic Digestion, and DNA Amplification of a DNA Assembly. Angewandte Chemie - International Edition, 2015, 54, 9637-9641. | 7.2 | 63 |
| 107 | An Efficient Catalytic DNA that Cleaves L-RNA. PLoS ONE, 2015, 10, e0126402. | 1.1 | 18 |
| 108 | Fluorescence Activation Imaging of Cytochrome c Released from Mitochondria Using Aptameric Nanosensor. Journal of the American Chemical Society, 2015, 137, 982-989. | 6.6 | 163 |

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|---|---|---|---|
| 109 | Patterned Paper Sensors Printed with Longâ€Chain DNA Aptamers. Chemistry - A European Journal, 2015, 21, 7369-7373. | 1.7 | 66 |
| 110 | Integrating graphene oxide, functional DNA and nucleic-acid-manipulating strategies for amplified biosensing. TrAC - Trends in Analytical Chemistry, 2015, 74, 120-129. | 5.8 | 33 |
| 111 | Printed Paper Sensors for Serum Lactate Dehydrogenase using Pullulan-Based Inks to Immobilize Reagents. Analytical Chemistry, 2015, 87, 9288-9293. | 3.2 | 66 |
| 112 | Sequence Mutation and Structural Alteration Transform a Noncatalytic DNA Sequence into an Efficient RNA-Cleaving DNAzyme. Journal of Molecular Evolution, 2015, 81, 245-253. | 0.8 | 9 |
| 113 | Highly Specific Recognition of Breast Tumors by an RNA-Cleaving Fluorogenic DNAzyme Probe. Analytical Chemistry, 2015, 87, 569-577. | 3.2 | 48 |
| 114 | Determination of Mercury(II) by Fluorescence Using Deoxyribonucleic Acid Stabilized Silver Nanoclusters. Analytical Letters, 2015, 48, 281-290. | 1.0 | 10 |
| 115 | Examination of Bacterial Inhibition Using a Catalytic DNA. PLoS ONE, 2014, 9, e115640. | 1.1 | 5 |
| 116 | Translating Bacterial Detection by DNAzymes into a Litmus Test. Angewandte Chemie, 2014, 126, 13013-13016. | 1.6 | 45 |
| 117 | Turning Tryptophanase into Odor-Generating Biosensors. Angewandte Chemie - International Edition, 2014, 53, 2620-2622. | 7.2 | 11 |
| 118 | Translating Bacterial Detection by DNAzymes into a Litmus Test. Angewandte Chemie - International Edition, 2014, 53, 12799-12802. | 7.2 | 188 |
| 119 | Arrest of Rolling Circle Amplification by Proteinâ€Binding DNA Aptamers. Chemistry - A European Journal, 2014, 20, 2420-2424. | 1.7 | 36 |
| 120 | Pullulan Encapsulation of Labile Biomolecules to Give Stable Bioassay Tablets. Angewandte Chemie - International Edition, 2014, 53, 6155-6158. | 7.2 | 75 |
| 121 | Lysozyme-stabilized gold nanoclusters as a novel fluorescence probe for cyanide recognition. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 77-80. | 2.0 | 68 |
| 122 | A General Strategy to Create RNA Aptamer Sensors Using â€œRegulatedâ€•Graphene Oxide Adsorption. ACS Applied Materials & Interfaces, 2014, 6, 21806-21812. | 4.0 | 30 |
| 123 | Engineering interlocking DNA rings with weak physical interactions. Nature Communications, 2014, 5, 4279. | 5.8 | 48 |
| 124 | An inkjet-printed bioactive paper sensor that reports ATP through odour generation. Analyst, The, 2014, 139, 4775. | 1.7 | 10 |
| 125 | Artificial Riboswitch Selection: A FACS-Based Approach. Methods in Molecular Biology, 2014, 1111, 57-75. | 0.4 | 4 |
| 126 | Fluorescence Analysis of the Properties of Structure-Switching DNA Aptamers Entrapped in Solâ€“Gel-Derived Silica Materials. Chemistry of Materials, 2014, 26, 1896-1904. | 3.2 | 14 |

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| 127 | A Graphene-Based Biosensing Platform Based on the Release of DNA Probes and Rolling Circle Amplification. ACS Nano, 2014, 8, 5564-5573. | 7.3 | 139 |
| 128 | A novel phosphorescence sensor for Co<sup>2+</sup> ion based on Mnâ€doped ZnS quantum dots. Luminescence, 2014, 29, 151-157. | 1.5 | 41 |
| 129 | A Dual Reporter System for Detecting RNA Interactions in Bacterial Cells. ChemBioChem, 2014, 15, 2703-2709. | 1.3 | 0 |
| 130 | Construction and Application of Riboswitch-Based Sensors That Detect Metabolites Within Bacterial Cells. Methods in Molecular Biology, 2014, 1103, 177-197. | 0.4 | 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. Current Pharmaceutical Design, 2014, 20, 771-792. | 0.9 | 13 |
| 133 | Evolving Wonder-RNAs in a Test Tube. Journal of Molecular Evolution, 2013, 77, 197-198. | 0.8 | 2 |
| 134 | Exploration of Structure-Switching in the Design of Aptamer Biosensors. Advances in Biochemical Engineering/Biotechnology, 2013, 140, 69-92. | 0.6 | 9 |
| 135 | A novel far-visible and near-infrared pH probe for monitoring near-neutral physiological pH changes: imaging in live cells. Journal of Materials Chemistry B, 2013, 1, 4281. | 2.9 | 80 |
| 136 | Exploring Intermolecular Interactions of a Substrate Binding Protein Using a Riboswitch-Based Sensor. Chemistry and Biology, 2013, 20, 1502-1512. | 6.2 | 16 |
| 137 | Phosphorescence detection of L-ascorbic acid with surface-attached N-acetyl-L-cysteine and L-cysteine Mn doped ZnS quantum dots. Talanta, 2013, 116, 794-800. | 2.9 | 23 |
| 138 | A Highly Efficient Molecular Cloning Platform that Utilises a Small Bacterial Toxin Gene. ChemBioChem, 2013, 14, 733-738. | 1.3 | 10 |
| 139 | Turning a Kinase Deoxyribozyme into a Sensor. Journal of the American Chemical Society, 2013, 135, 7181-7186. | 6.6 | 54 |
| 140 | Quality Control Certification of RNA Aptamerâ€Based Detection. ChemBioChem, 2013, 14, 987-992. | 1.3 | 8 |
| 141 | A Sensitive DNA Enzyme-Based Fluorescent Assay for Bacterial Detection. Biomolecules, 2013, 3, 563-577. | 1.8 | 59 |
| 142 | Assessing the Amount of Quadruplex Structures Present within G2-Tract Synthetic Random-Sequence DNA Libraries. PLoS ONE, 2013, 8, e64131. | 1.1 | 13 |
| 143 | Artificially Created Nucleic Acids and Peptides/Proteins in Chemical Biology. Journal of Nucleic Acids, 2013, 2013, 1-2. | 0.8 | 3 |
| 144 | Detection of Bacteria Using Fluorogenic DNAzymes. Journal of Visualized Experiments, 2012, , . | 0.2 | 14 |

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|---|---|---|---|
| 145 | Stabilizing Structure-Switching Signaling RNA Aptamers by Entrapment in Solâ€“Gel Derived Materials for Solid-Phase Assays. Journal of the American Chemical Society, 2012, 134, 10998-11005. | 6.6 | 47 |
| 146 | Developing Fluorogenic RNA-Cleaving DNAzymes for Biosensing Applications. Methods in Molecular Biology, 2012, 848, 395-418. | 0.4 | 13 |
| 147 | Synthesis and evaluation of glucosamine-6-phosphate analogues as activators of glmS riboswitch. Tetrahedron, 2012, 68, 9405-9412. | 1.0 | 17 |
| 148 | Lighting Up RNA-Cleaving DNAzymes for Biosensing. Journal of Nucleic Acids, 2012, 2012, 1-8. | 0.8 | 24 |
| 149 | Multiplexed paper test strip for quantitative bacterial detection. Analytical and Bioanalytical Chemistry, 2012, 403, 1567-1576. | 1.9 | 194 |
| 150 | Characterization of non-8â€“17 sequences uncovers structurally diverse RNA-cleaving deoxyribozymes. Molecular BioSystems, 2011, 7, 2139. | 2.9 | 16 |
| 151 | Functional Nucleic Acids for Fluorescence-Based Biosensing Applications. Springer Series on Fluorescence, 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. Analytical Chemistry, 2011, 83, 957-965. | 3.2 | 40 |
| 153 | Enhancing Sensitivity and Selectivity of Long-Period Grating Sensors using Structure-Switching Aptamers Bound to Gold-Doped Macroporous Silica Coatings. Analytical Chemistry, 2011, 83, 7984-7991. | 3.2 | 27 |
| 154 | Controlling biotinylation of microgels and modeling streptavidin uptake. Colloid and Polymer Science, 2011, 289, 659-666. | 1.0 | 8 |
| 155 | Fluorogenic DNAzyme Probes as Bacterial Indicators. Angewandte Chemie - International Edition, 2011, 50, 3751-3754. | 7.2 | 189 |
| 156 | Modulation of DNAâ€Modified Goldâ€Nanoparticle Stability in Salt with Concatemeric Singleâ€Stranded DNAs for Colorimetric Bioassay Development. Chemistry - A European Journal, 2011, 17, 2052-2056. | 1.7 | 16 |
| 157 | Functional Nucleic Acids as Molecular Recognition Elements for Small Organic and Biological Molecules. Current Organic Chemistry, 2011, 15, 557-575. | 0.9 | 25 |
| 158 | Advancements in using reporter DNAzymes for identifying pathogenic bacteria at speed and with convenience. Future Microbiology, 2011, 6, 973-976. | 1.0 | 13 |
| 159 | A Versatile Endoribonuclease Mimic Made of DNA: Characteristics and Applications of the 8â€“17 RNAâ€Cleaving DNAzyme. ChemBioChem, 2010, 11, 866-879. | 1.3 | 127 |
| 160 | Influence of Cleavage Site on Global Folding of an RNAâ€Cleaving DNAzyme. ChemBioChem, 2010, 11, 1710-1719. | 1.3 | 23 |
| 161 | A General Approach to the Construction of Structureâ€Switching Reporters from RNA Aptamers. Angewandte Chemie - International Edition, 2010, 49, 7938-7942. | 7.2 | 53 |
| 162 | Using a Riboswitch Sensor to Examine Coenzyme B12 Metabolism and Transport in E. coli. Chemistry and Biology, 2010, 17, 756-765. | 6.2 | 72 |

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