Tao Li

List of Publications by Year
in descending order

79 papers	6,465 citations	61984 43 h-index	66911 78 g-index
80 all docs	80 docs citations	80 times ranked	5207 citing authors

#	Article	IF	Citations
1	Tin Porphyrin-Based Nanozymes with Unprecedented Superoxide Dismutase-Mimicking Activities. Langmuir, 2022, 38, 7272-7279.	3.5	5
2	Calcium-Differentiated Cellular Internalization of Allosteric Framework Nucleic Acids for Targeted Payload Delivery. Analytical Chemistry, 2022, 94, 9097-9105.	6.5	3
3	Proximity-Dependent Switchable ATP Aptasensors Utilizing a High-Performance FRET Reporter. ACS Applied Materials & Interfaces, 2021, 13, 9359-9368.	8.0	11
4	A CRETâ€Based Multicolor Sensing Nanoplatform for Simultaneously and Sensitively Visualizing Multiple Circulating MicroRNAs. Analysis & Sensing, 2021, 1, 102-102.	2.0	0
5	A CRETâ€Based Multicolor Sensing Nanoplatform for Simultaneously and Sensitively Visualizing Multiple Circulating MicroRNAs. Analysis & Sensing, 2021, 1, 103-110.	2.0	1
6	Logicâ€Gated Proximity Aptasensing for Cellâ€Surface Realâ€Time Monitoring of Apoptosis. Angewandte Chemie, 2021, 133, 21026-21032.	2.0	4
7	Logicâ€Gated Proximity Aptasensing for Cellâ€Surface Realâ€Time Monitoring of Apoptosis. Angewandte Chemie - International Edition, 2021, 60, 20858-20864.	13.8	38
8	Recent progress of SERS optical nanosensors for miRNA analysis. Journal of Materials Chemistry B, 2020, 8, 5178-5183.	5.8	56
9	Extracellular Ion-Responsive Logic Sensors Utilizing DNA Dimeric Nanoassemblies on Cell Surface and Application to Boosting AS1411 Internalization. Analytical Chemistry, 2020, 92, 9273-9280.	6.5	36
10	Aptamer-Braked Multi-hairpin Cascade Circuits for Logic-Controlled Label-Free In Situ Bioimaging. Analytical Chemistry, 2020, 92, 10357-10364.	6.5	25
11	Environmentâ€Recognizing DNAâ€Computation Circuits for the Intracellular Transport of Molecular Payloads for mRNA Imaging. Angewandte Chemie - International Edition, 2020, 59, 6099-6107.	13.8	62
12	I-Motif/miniduplex hybrid structures bind benzothiazole dyes with unprecedented efficiencies: a generic light-up system for label-free DNA nanoassemblies and bioimaging. Nucleic Acids Research, 2020, 48, 1681-1690.	14.5	22
13	Environmentâ€Recognizing DNAâ€Computation Circuits for the Intracellular Transport of Molecular Payloads for mRNA Imaging. Angewandte Chemie, 2020, 132, 6155-6163.	2.0	11
14	Hemin-Bridged MOF Interface with Double Amplification of G-Quadruplex Payload and DNAzyme Catalysis: Ultrasensitive Lasting Chemiluminescence MicroRNA Imaging. ACS Applied Materials & Interfaces, 2020, 12, 7879-7887.	8.0	71
15	Ultrastable Bimolecular G-Quadruplexes Programmed DNA Nanoassemblies for Reconfigurable Biomimetic DNAzymes. ACS Nano, 2019, 13, 11947-11954.	14.6	22
16	Target-Induced Payload Amplification for Spherical Nucleic Acid Enzyme (SNAzyme)-Catalyzed Electrochemiluminescence Detection of Circulating microRNAs. Analytical Chemistry, 2019, 91, 12948-12953.	6.5	31
17	DNA Logic Operations in Living Cells Utilizing Lysosome-Recognizing Framework Nucleic Acid Nanodevices for Subcellular Imaging. ACS Nano, 2019, 13, 5778-5784.	14.6	108
18	Target-Catalyzed Self-Growing Spherical Nucleic Acid Enzyme (SNAzyme) as a Double Amplifier for Ultrasensitive Chemiluminescence MicroRNA Detection. ACS Sensors, 2019, 4, 3219-3226.	7.8	41

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19	Reconfigurable Bioinspired Framework Nucleic Acid Nanoplatform Dynamically Manipulated in Living Cells for Subcellular Imaging. Angewandte Chemie, 2019, 131, 1662-1667.	2.0	16
20	Reconfigurable Bioinspired Framework Nucleic Acid Nanoplatform Dynamically Manipulated in Living Cells for Subcellular Imaging. Angewandte Chemie - International Edition, 2019, 58, 1648-1653.	13.8	92
21	Spherical Nucleic Acid Enzyme (SNAzyme) Boosted Chemiluminescence miRNA Imaging Using a Smartphone. Analytical Chemistry, 2019, 91, 3652-3658.	6.5	63
22	DNA nanodevices monitored with fluorogenic looped-out 2-aminopurine. Analyst, The, 2018, 143, 1268-1273.	3.5	2
23	Exonuclease III-boosted cascade reactions for ultrasensitive SERS detection of nucleic acids. Biosensors and Bioelectronics, 2018, 104, 32-38.	10.1	45
24	Stimuli-Triggered Strand Displacement-Based Multifunctional Gene Detection Platform Controlled By A Multi-Input DNA Logic Gate. Chinese Journal of Analytical Chemistry, 2018, 46, e1832-e1837.	1.7	4
25	Composition-Tunable Hollow Au/Ag SERS Nanoprobes Coupled with Target-Catalyzed Hairpin Assembly for Triple-Amplification Detection of miRNA. Analytical Chemistry, 2018, 90, 11614-11621.	6.5	82
26	Logic circuit controlled multi-responsive branched DNA scaffolds. Chemical Communications, 2018, 54, 6132-6135.	4.1	16
27	Probing the propeller-like loops of DNA G-quadruplexes with looped-out 2-aminopurine for label-free switchable molecular sensing. Analyst, The, 2018, 143, 3814-3820.	3.5	4
28	Ultrasensitive Simultaneous Detection of Multiplex Disease-Related Nucleic Acids Using Double-Enhanced Surface-Enhanced Raman Scattering Nanosensors. ACS Applied Materials & Interfaces, 2018, 10, 25770-25778.	8.0	38
29	Cellular environment-responsive intelligent DNA logic circuits for controllable molecular sensing. Biosensors and Bioelectronics, 2018, 117, 729-735.	10.1	26
30	A â€œTurn-Onâ€•Fluorescence Copper Biosensor Based on DNA Cleavage-Dependent Graphene Oxide-dsDNA-CdTe Quantum Dots Complex. Sensors, 2018, 18, 2605.	3.8	7
31	Programmable i-motif DNA folding topology for a pH-switched reversible molecular sensing device. Nucleic Acids Research, 2017, 45, 4306-4314.	14.5	43
32	Thioflavin T binds dimeric parallel-stranded GA-containing non-G-quadruplex DNAs: a general approach to lighting up double-stranded scaffolds. Nucleic Acids Research, 2017, 45, 12080-12089.	14.5	39
33	A DNA nanoswitch-controlled reversible nanosensor. Nucleic Acids Research, 2017, 45, 541-546.	14.5	37
34	Thioflavin T behaves as an efficient fluorescent ligand for label-free ATP aptasensor. Analytical and Bioanalytical Chemistry, 2016, 408, 7927-7934.	3.7	31
35	Transcription of G-quartet supramolecular aggregates into hierarchical mesoporous silica nanotubes. Dalton Transactions, 2016, 45, 7912-7920.	3.3	12
36	Engineering DNA Three-Way Junction with Multifunctional Moieties: Sensing Platform for Bioanalysis. Analytical Chemistry, 2015, 87, 11295-11300.	6.5	47

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37	Interlocked DNA nanostructures controlled by a reversible logic circuit. Nature Communications, 2014, 5, 4940.	12.8	82
38	Chemiluminescence assay for the sensitive detection of iodide based on extracting Hg2+ from a Tâ€“Hg2+â€“T complex. Analyst, The, 2013, 138, 1898.	3.5	34
39	Photoinduced Electron Transfer of DNA/Ag Nanoclusters Modulated by G-Quadruplex/Hemin Complex for the Construction of Versatile Biosensors. Journal of the American Chemical Society, 2013, 135, 2403-2406.	13.7	258
40	Enzymeâ€Free Unlabeled DNA Logic Circuits Based on Toeholdâ€Mediated Strand Displacement and Split Gâ€Quadruplex Enhanced Fluorescence. Advanced Materials, 2013, 25, 2440-2444.	21.0	144
41	I-Motif-Programmed Functionalization of DNA Nanocircles. Journal of the American Chemical Society, 2013, 135, 1593-1599.	13.7	136
42	Input-Dependent Induction of Oligonucleotide Structural Motifs for Performing Molecular Logic. Journal of the American Chemical Society, 2012, 134, 3508-3516.	13.7	85
43	DNA G-quadruplex-templated formation of the fluorescent silver nanocluster and its application to bioimaging. Talanta, 2012, 88, 450-455.	5.5	74
44	In situ labeling and imaging of cellular protein via a bi-functional anticancer aptamer and its fluorescent ligand. Analytica Chimica Acta, 2012, 741, 93-99.	5.4	21
45	Fluorescent silver nanoclusters in hybridized DNA duplexes for the turn-on detection of Hg2+ ions. Chemical Communications, 2011, 47, 11065.	4.1	172
46	Label-free DNAzyme-based fluorescing molecular switch for sensitive and selective detection of lead ions. Chemical Communications, 2011, 47, 3099.	4.1	75
47	Ion-Tuned DNA/Ag Fluorescent Nanoclusters As Versatile Logic Device. ACS Nano, 2011, 5, 6334-6338.	14.6	180
48	Bifunctional Colorimetric Oligonucleotide Probe Based on a G-Quadruplex DNAzyme Molecular Beacon. Analytical Chemistry, 2011, 83, 8871-8876.	6.5	93
49	G-quadruplex DNAzyme based molecular catalytic beacon for label-free colorimetric logic gates. Biomaterials, 2011, 32, 7318-7324.	11.4	73
50	Ultrasensitive detection of mercury(II) ion using CdTe quantum dots in sol-gel-derived silica spheres coated with calix[6]arene as fluorescent probes. Mikrochimica Acta, 2011, 175, 113-119.	5.0	55
51	A novel dot-blot DNAzyme-linked aptamer assay for protein detection. Analytical and Bioanalytical Chemistry, 2010, 397, 2923-2927.	3.7	36
52	Au NPs-enhanced surface plasmon resonance for sensitive detection of mercury(II) ions. Biosensors and Bioelectronics, 2010, 25, 2622-2626.	10.1	93
53	A carbon nanotubes based ATP apta-sensing platform and its application in cellular assay. Biosensors and Bioelectronics, 2010, 25, 1897-1901.	10.1	70
54	Parallel G-Quadruplex-Specific Fluorescent Probe for Monitoring DNA Structural Changes and Label-Free Detection of Potassium Ion. Analytical Chemistry, 2010, 82, 7576-7580.	6.5	181

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55	Potassium-sensitive G-quadruplexDNA for sensitive visible potassium detection. Analyst, The, 2010, 135, 71-75.	3.5	80
56	Lead(II)-Induced Allosteric G-Quadruplex DNAzyme as a Colorimetric and Chemiluminescence Sensor for Highly Sensitive and Selective Pb²⁺ Detection. Analytical Chemistry, 2010, 82, 1515-1520.	6.5	333
57	A Lead(II)-Driven DNA Molecular Device for Turn-On Fluorescence Detection of Lead(II) Ion with High Selectivity and Sensitivity. Journal of the American Chemical Society, 2010, 132, 13156-13157.	13.7	353
58	Carbon nanotubeâ€"DNA hybrid fluorescent sensor for sensitive and selective detection of mercury(ii) ion. Chemical Communications, 2010, 46, 1476.	4.1	276
59	Multifunctional Gâ€Quadruplex Aptamers and Their Application to Protein Detection. Chemistry - A European Journal, 2009, 15, 1036-1042.	3.3	143
60	Baseâ€Pairing Directed Folding of a Bimolecular Gâ€Quadruplex: New Insights into Gâ€Quadruplexâ€Based DNAzymes. Chemistry - A European Journal, 2009, 15, 2059-2063.	3.3	22
61	Silverâ€Ionâ€Mediated DNAzyme Switch for the Ultrasensitive and Selective Colorimetric Detection of Aqueous Ag⁺ and Cysteine. Chemistry - A European Journal, 2009, 15, 3347-3350.	3.3	247
62	Investigation of 3,3â€²,5,5â€²-tetramethylbenzidine as colorimetric substrate for a peroxidatic DNAzyme. Analytica Chimica Acta, 2009, 651, 234-240.	5.4	96
63	Gâ€Quadruplex Aptamers with Peroxidaseâ€Like DNAzyme Functions: Which Is the Best and How Does it Work?. Chemistry - an Asian Journal, 2009, 4, 918-922.	3.3	125
64	Label-Free Colorimetric Detection of Aqueous Mercury Ion (Hg²⁺) Using Hg²⁺-Modulated G-Quadruplex-Based DNAzymes. Analytical Chemistry, 2009, 81, 2144-2149.	6.5	466
65	Potassiumâ^'Lead-Switched G-Quadruplexes: A New Class of DNA Logic Gates. Journal of the American Chemical Society, 2009, 131, 15082-15083.	13.7	373
66	Flourescent Switch Constructed Based on Hemin-Sensitive Anionic Conjugated Polymer and Its Applications in DNA-Related Sensors. Analytical Chemistry, 2009, 81, 3544-3550.	6.5	34
67	G-quadruplex-based DNAzyme for sensitive mercury detection with the naked eye. Chemical Communications, 2009, , 3551.	4.1	186
68	G-Quadruplex-based DNAzyme as a sensing platform for ultrasensitive colorimetric potassium detection. Chemical Communications, 2009, , 580-582.	4.1	124
69	A Grafting Strategy for the Design of Improved G-Quadruplex Aptamers and High-Activity DNAzymes. PLoS ONE, 2009, 4, e5126.	2.5	20
70	Polyethyleneimineâ€Functionalized Platinum Nanoparticles with High Electrochemiluminescence Activity and Their Applications to Amplified Analysis of Biomolecules. Chemistry - an Asian Journal, 2008, 3, 1942-1948.	3.3	26
71	G-quadruplex-based DNAzyme for facile colorimetric detection of thrombin. Chemical Communications, 2008, , 3654.	4.1	140
72	Chemiluminescence thrombin aptasensor using high-activity DNAzyme as catalytic label. Chemical Communications, 2008, , 5520.	4.1	73

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73	Enhanced catalytic DNAzyme for label-free colorimetric detection of DNA. Chemical Communications, 2007, , 4209.	4.1	95
74	Adaptive Recognition of Small Molecules by Nucleic Acid Aptamers through a Label-Free Approach. Chemistry - A European Journal, 2007, 13, 6718-6723.	3.3	51
75	Ionic Liquids as Selectors for the Enhanced Detection of Proteins. Chemistry - A European Journal, 2007, 13, 8516-8521.	3.3	38
76	CE with electrochemical detection for investigation of labelâ€free recognition of amino acid amides by guanineâ€rich DNA aptamers. Electrophoresis, 2007, 28, 3122-3128.	2.4	8
77	Aptamer-based label-free method for hemin recognition and DNA assay by capillary electrophoresis with chemiluminescence detection. Analytical and Bioanalytical Chemistry, 2007, 389, 887-893.	3.7	54
78	Characterization of Prolidase Activity Using Capillary Electrophoresis with Tris(2,2â€˜-bipyridyl)ruthenium(II) Electrochemiluminescence Detection and Application To Evaluate Collagen Degradation in Diabetes Mellitus. Analytical Chemistry, 2006, 78, 2934-2938.	6.5	65
79	Capillary electrophoresis with electrochemiluminescence detection for measurement of aspartate aminotransferase and alanine aminotransferase activities in biofluids. Journal of Chromatography A, 2006, 1134, 311-316.	3.7	24