

# Tao Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7048643/publications.pdf>

Version: 2024-02-01

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	Label-Free Colorimetric Detection of Aqueous Mercury Ion (Hg <sup>2+</sup> ) Using Hg <sup>2+</sup> -Modulated G-Quadruplex-Based DNAzymes. <i>Analytical Chemistry</i> , 2009, 81, 2144-2149.	6.5	466
2	Potassium <sup>+</sup> -Lead-Switched G-Quadruplexes: A New Class of DNA Logic Gates. <i>Journal of the American Chemical Society</i> , 2009, 131, 15082-15083.	13.7	373
3	A Lead(II)-Driven DNA Molecular Device for Turn-On Fluorescence Detection of Lead(II) Ion with High Selectivity and Sensitivity. <i>Journal of the American Chemical Society</i> , 2010, 132, 13156-13157.	13.7	353
4	Lead(II)-Induced Allosteric G-Quadruplex DNAzyme as a Colorimetric and Chemiluminescence Sensor for Highly Sensitive and Selective Pb <sup>2+</sup> Detection. <i>Analytical Chemistry</i> , 2010, 82, 1515-1520.	6.5	333
5	Carbon nanotube-DNA hybrid fluorescent sensor for sensitive and selective detection of mercury(ii) ion. <i>Chemical Communications</i> , 2010, 46, 1476.	4.1	276
6	Photoinduced Electron Transfer of DNA/Ag Nanoclusters Modulated by G-Quadruplex/Hemin Complex for the Construction of Versatile Biosensors. <i>Journal of the American Chemical Society</i> , 2013, 135, 2403-2406.	13.7	258
7	Silver-Ion-Mediated DNAzyme Switch for the Ultrasensitive and Selective Colorimetric Detection of Aqueous Ag <sup>+</sup> and Cysteine. <i>Chemistry - A European Journal</i> , 2009, 15, 3347-3350.	3.3	247
8	G-quadruplex-based DNAzyme for sensitive mercury detection with the naked eye. <i>Chemical Communications</i> , 2009, , 3551.	4.1	186
9	Parallel G-Quadruplex-Specific Fluorescent Probe for Monitoring DNA Structural Changes and Label-Free Detection of Potassium Ion. <i>Analytical Chemistry</i> , 2010, 82, 7576-7580.	6.5	181
10	Ion-Tuned DNA/Ag Fluorescent Nanoclusters As Versatile Logic Device. <i>ACS Nano</i> , 2011, 5, 6334-6338.	14.6	180
11	Fluorescent silver nanoclusters in hybridized DNA duplexes for the turn-on detection of Hg <sup>2+</sup> ions. <i>Chemical Communications</i> , 2011, 47, 11065.	4.1	172
12	Enzyme-Free Unlabeled DNA Logic Circuits Based on Toehold-Mediated Strand Displacement and Split G-Quadruplex Enhanced Fluorescence. <i>Advanced Materials</i> , 2013, 25, 2440-2444.	21.0	144
13	Multifunctional G-Quadruplex Aptamers and Their Application to Protein Detection. <i>Chemistry - A European Journal</i> , 2009, 15, 1036-1042.	3.3	143
14	G-quadruplex-based DNAzyme for facile colorimetric detection of thrombin. <i>Chemical Communications</i> , 2008, , 3654.	4.1	140
15	I-Motif-Programmed Functionalization of DNA Nanocircles. <i>Journal of the American Chemical Society</i> , 2013, 135, 1593-1599.	13.7	136
16	G-Quadruplex Aptamers with Peroxidase-Like DNAzyme Functions: Which Is the Best and How Does it Work?. <i>Chemistry - an Asian Journal</i> , 2009, 4, 918-922.	3.3	125
17	G-Quadruplex-based DNAzyme as a sensing platform for ultrasensitive colorimetric potassium detection. <i>Chemical Communications</i> , 2009, , 580-582.	4.1	124
18	DNA Logic Operations in Living Cells Utilizing Lysosome-Recognizing Framework Nucleic Acid Nanodevices for Subcellular Imaging. <i>ACS Nano</i> , 2019, 13, 5778-5784.	14.6	108

#	ARTICLE	IF	CITATIONS
19	Investigation of 3,3',5,5'-tetramethylbenzidine as colorimetric substrate for a peroxidatic DNAzyme. <i>Analytica Chimica Acta</i> , 2009, 651, 234-240.	5.4	96
20	Enhanced catalytic DNAzyme for label-free colorimetric detection of DNA. <i>Chemical Communications</i> , 2007, , 4209.	4.1	95
21	Au NPs-enhanced surface plasmon resonance for sensitive detection of mercury(II) ions. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2622-2626.	10.1	93
22	Bifunctional Colorimetric Oligonucleotide Probe Based on a G-Quadruplex DNAzyme Molecular Beacon. <i>Analytical Chemistry</i> , 2011, 83, 8871-8876.	6.5	93
23	Reconfigurable Bioinspired Framework Nucleic Acid Nanoplatfrom Dynamically Manipulated in Living Cells for Subcellular Imaging. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1648-1653.	13.8	92
24	Input-Dependent Induction of Oligonucleotide Structural Motifs for Performing Molecular Logic. <i>Journal of the American Chemical Society</i> , 2012, 134, 3508-3516.	13.7	85
25	Interlocked DNA nanostructures controlled by a reversible logic circuit. <i>Nature Communications</i> , 2014, 5, 4940.	12.8	82
26	Composition-Tunable Hollow Au/Ag SERS Nanoprobes Coupled with Target-Catalyzed Hairpin Assembly for Triple-Amplification Detection of miRNA. <i>Analytical Chemistry</i> , 2018, 90, 11614-11621.	6.5	82
27	Potassium-sensitive G-quadruplexDNA for sensitive visible potassium detection. <i>Analyst, The</i> , 2010, 135, 71-75.	3.5	80
28	Label-free DNAzyme-based fluorescing molecular switch for sensitive and selective detection of lead ions. <i>Chemical Communications</i> , 2011, 47, 3099.	4.1	75
29	DNA G-quadruplex-templated formation of the fluorescent silver nanocluster and its application to bioimaging. <i>Talanta</i> , 2012, 88, 450-455.	5.5	74
30	Chemiluminescence thrombin aptasensor using high-activity DNAzyme as catalytic label. <i>Chemical Communications</i> , 2008, , 5520.	4.1	73
31	G-quadruplex DNAzyme based molecular catalytic beacon for label-free colorimetric logic gates. <i>Biomaterials</i> , 2011, 32, 7318-7324.	11.4	73
32	Hemin-Bridged MOF Interface with Double Amplification of G-Quadruplex Payload and DNAzyme Catalysis: Ultrasensitive Lasting Chemiluminescence MicroRNA Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 7879-7887.	8.0	71
33	A carbon nanotubes based ATP apta-sensing platform and its application in cellular assay. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1897-1901.	10.1	70
34	Characterization of Prolidase Activity Using Capillary Electrophoresis with Tris(2,2'-bipyridyl)ruthenium(II) Electrochemiluminescence Detection and Application To Evaluate Collagen Degradation in Diabetes Mellitus. <i>Analytical Chemistry</i> , 2006, 78, 2934-2938.	6.5	65
35	Spherical Nucleic Acid Enzyme (SNAzyme) Boosted Chemiluminescence miRNA Imaging Using a Smartphone. <i>Analytical Chemistry</i> , 2019, 91, 3652-3658.	6.5	63
36	Environment-Recognizing DNA-Computation Circuits for the Intracellular Transport of Molecular Payloads for mRNA Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6099-6107.	13.8	62

#	ARTICLE	IF	CITATIONS
37	Recent progress of SERS optical nanosensors for miRNA analysis. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5178-5183.	5.8	56
38	Ultrasensitive detection of mercury(II) ion using CdTe quantum dots in sol-gel-derived silica spheres coated with calix[6]arene as fluorescent probes. <i>Mikrochimica Acta</i> , 2011, 175, 113-119.	5.0	55
39	Aptamer-based label-free method for hemin recognition and DNA assay by capillary electrophoresis with chemiluminescence detection. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 887-893.	3.7	54
40	Adaptive Recognition of Small Molecules by Nucleic Acid Aptamers through a Label-Free Approach. <i>Chemistry - A European Journal</i> , 2007, 13, 6718-6723.	3.3	51
41	Engineering DNA Three-Way Junction with Multifunctional Moieties: Sensing Platform for Bioanalysis. <i>Analytical Chemistry</i> , 2015, 87, 11295-11300.	6.5	47
42	Exonuclease III-boosted cascade reactions for ultrasensitive SERS detection of nucleic acids. <i>Biosensors and Bioelectronics</i> , 2018, 104, 32-38.	10.1	45
43	Programmable i-motif DNA folding topology for a pH-switched reversible molecular sensing device. <i>Nucleic Acids Research</i> , 2017, 45, 4306-4314.	14.5	43
44	Target-Catalyzed Self-Growing Spherical Nucleic Acid Enzyme (SNAzyme) as a Double Amplifier for Ultrasensitive Chemiluminescence MicroRNA Detection. <i>ACS Sensors</i> , 2019, 4, 3219-3226.	7.8	41
45	Thioflavin T binds dimeric parallel-stranded GA-containing non-G-quadruplex DNAs: a general approach to lighting up double-stranded scaffolds. <i>Nucleic Acids Research</i> , 2017, 45, 12080-12089.	14.5	39
46	Ionic Liquids as Selectors for the Enhanced Detection of Proteins. <i>Chemistry - A European Journal</i> , 2007, 13, 8516-8521.	3.3	38
47	Ultrasensitive Simultaneous Detection of Multiplex Disease-Related Nucleic Acids Using Double-Enhanced Surface-Enhanced Raman Scattering Nanosensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 25770-25778.	8.0	38
48	Logic-Gated Proximity Aptasensing for Cell Surface Real-Time Monitoring of Apoptosis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20858-20864.	13.8	38
49	A DNA nanoswitch-controlled reversible nanosensor. <i>Nucleic Acids Research</i> , 2017, 45, 541-546.	14.5	37
50	A novel dot-blot DNAzyme-linked aptamer assay for protein detection. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2923-2927.	3.7	36
51	Extracellular Ion-Responsive Logic Sensors Utilizing DNA Dimeric Nanoassemblies on Cell Surface and Application to Boosting AS1411 Internalization. <i>Analytical Chemistry</i> , 2020, 92, 9273-9280.	6.5	36
52	Flourescent Switch Constructed Based on Hemin-Sensitive Anionic Conjugated Polymer and Its Applications in DNA-Related Sensors. <i>Analytical Chemistry</i> , 2009, 81, 3544-3550.	6.5	34
53	Chemiluminescence assay for the sensitive detection of iodide based on extracting Hg <sup>2+</sup> from a T-Hg <sup>2+</sup> -T complex. <i>Analyst, The</i> , 2013, 138, 1898.	3.5	34
54	Thioflavin T behaves as an efficient fluorescent ligand for label-free ATP aptasensor. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7927-7934.	3.7	31

#	ARTICLE	IF	CITATIONS
55	Target-Induced Payload Amplification for Spherical Nucleic Acid Enzyme (SNAzyme)-Catalyzed Electrochemiluminescence Detection of Circulating microRNAs. <i>Analytical Chemistry</i> , 2019, 91, 12948-12953.	6.5	31
56	Polyethyleneimine-Functionalized Platinum Nanoparticles with High Electrochemiluminescence Activity and Their Applications to Amplified Analysis of Biomolecules. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1942-1948.	3.3	26
57	Cellular environment-responsive intelligent DNA logic circuits for controllable molecular sensing. <i>Biosensors and Bioelectronics</i> , 2018, 117, 729-735.	10.1	26
58	Aptamer-Braked Multi-hairpin Cascade Circuits for Logic-Controlled Label-Free <i>In Situ</i> Bioimaging. <i>Analytical Chemistry</i> , 2020, 92, 10357-10364.	6.5	25
59	Capillary electrophoresis with electrochemiluminescence detection for measurement of aspartate aminotransferase and alanine aminotransferase activities in biofluids. <i>Journal of Chromatography A</i> , 2006, 1134, 311-316.	3.7	24
60	Base-Pairing Directed Folding of a Bimolecular G-Quadruplex: New Insights into G-Quadruplex-Based DNAzymes. <i>Chemistry - A European Journal</i> , 2009, 15, 2059-2063.	3.3	22
61	Ultrastable Bimolecular G-Quadruplexes Programmed DNA Nanoassemblies for Reconfigurable Biomimetic DNAzymes. <i>ACS Nano</i> , 2019, 13, 11947-11954.	14.6	22
62	I-Motif/miniduplex hybrid structures bind benzothiazole dyes with unprecedented efficiencies: a generic light-up system for label-free DNA nanoassemblies and bioimaging. <i>Nucleic Acids Research</i> , 2020, 48, 1681-1690.	14.5	22
63	In situ labeling and imaging of cellular protein via a bi-functional anticancer aptamer and its fluorescent ligand. <i>Analytica Chimica Acta</i> , 2012, 741, 93-99.	5.4	21
64	A Grafting Strategy for the Design of Improved G-Quadruplex Aptamers and High-Activity DNAzymes. <i>PLoS ONE</i> , 2009, 4, e5126.	2.5	20
65	Logic circuit controlled multi-responsive branched DNA scaffolds. <i>Chemical Communications</i> , 2018, 54, 6132-6135.	4.1	16
66	Reconfigurable Bioinspired Framework Nucleic Acid Nanoplatform Dynamically Manipulated in Living Cells for Subcellular Imaging. <i>Angewandte Chemie</i> , 2019, 131, 1662-1667.	2.0	16
67	Transcription of G-quartet supramolecular aggregates into hierarchical mesoporous silica nanotubes. <i>Dalton Transactions</i> , 2016, 45, 7912-7920.	3.3	12
68	Environment-Recognizing DNA-Computation Circuits for the Intracellular Transport of Molecular Payloads for mRNA Imaging. <i>Angewandte Chemie</i> , 2020, 132, 6155-6163.	2.0	11
69	Proximity-Dependent Switchable ATP Aptasensors Utilizing a High-Performance FRET Reporter. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9359-9368.	8.0	11
70	CE with electrochemical detection for investigation of label-free recognition of amino acid amides by guanine-rich DNA aptamers. <i>Electrophoresis</i> , 2007, 28, 3122-3128.	2.4	8
71	A "Turn-On" Fluorescence Copper Biosensor Based on DNA Cleavage-Dependent Graphene Oxide-dsDNA-CdTe Quantum Dots Complex. <i>Sensors</i> , 2018, 18, 2605.	3.8	7
72	Tin Porphyrin-Based Nanozymes with Unprecedented Superoxide Dismutase-Mimicking Activities. <i>Langmuir</i> , 2022, 38, 7272-7279.	3.5	5

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	Logic-Gated Proximity Aptasensing for Cell-Surface Real-Time Monitoring of Apoptosis. Angewandte Chemie, 2021, 133, 21026-21032.	2.0	4
76	Calcium-Differentiated Cellular Internalization of Allosteric Framework Nucleic Acids for Targeted Payload Delivery. Analytical Chemistry, 2022, 94, 9097-9105.	6.5	3
77	DNA nanodevices monitored with fluorogenic looped-out 2-aminopurine. Analyst, The, 2018, 143, 1268-1273.	3.5	2
78	A CRET-Based Multicolor Sensing Nanoplatform for Simultaneously and Sensitively Visualizing Multiple Circulating MicroRNAs. Analysis & Sensing, 2021, 1, 103-110.	2.0	1
79	A CRET-Based Multicolor Sensing Nanoplatform for Simultaneously and Sensitively Visualizing Multiple Circulating MicroRNAs. Analysis & Sensing, 2021, 1, 102-102.	2.0	0