

Chao Li

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,561
citations

257450

24
h-index

315739

38
g-index

51
all docs

51
docs citations

51
times ranked

1846
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanotechnology Strategies for Plant Genetic Engineering. <i>Advanced Materials</i> , 2022, 34, e2106945.	21.0	40
2	A zeta potential-based homogeneous assay for amplified detection of telomerase in cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130881.	7.8	5
3	Precise Molecular Profiling of Circulating Exosomes Using a Metal-Organic Framework-Based Sensing Interface and an Enzyme-Based Electrochemical Logic Platform. <i>Analytical Chemistry</i> , 2022, 94, 875-883.	6.5	26
4	Co ^{II} /Ni ^{II} single-atom nanozymes with oxidase-like activity for highly sensitive detection of biothiols. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1857-1865.	3.7	20
5	A dual-readout sandwich immunoassay based on biocatalytic perovskite nanocrystals for detection of prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2022, 203, 113979.	10.1	15
6	Functionalization of Covalent Organic Frameworks with DNA via Covalent Modification and the Application to Exosomes Detection. <i>Analytical Chemistry</i> , 2022, 94, 5055-5061.	6.5	46
7	Glutathione-Sensitive Nanoglue Platform with Effective Nucleic Acids Gluing onto Liposomes for Photo-Gene Therapy. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25126-25134.	8.0	7
8	Fluidity-Guided Assembly of Au@Pt on Liposomes as a Catalase-Powered Nanomotor for Effective Cell Uptake in Cancer Cells and Plant Leaves. <i>ACS Nano</i> , 2022, 16, 9019-9030.	14.6	16
9	Coupling of an antifouling and reusable nanoplatform with catalytic hairpin assembly for highly sensitive detection of nucleic acids using zeta potential as signal readout. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128845.	7.8	10
10	A pH-responsive bioassay for sensitive colorimetric detection of adenosine triphosphate based on switchable DNA aptamer and metal ion-urease interactions. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1533-1540.	3.7	7
11	Development of a two-in-one integrated assay for the analysis of circRNA-microRNA interactions. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113032.	10.1	11
12	Engineering DNA/Fe ^{II} /Co ^{II} single-atom nanozymes interface for colorimetric biosensing of cancer cells. <i>Analytica Chimica Acta</i> , 2021, 1180, 338856.	5.4	19
13	A highly sensitive, dual-readout assay based on self-assembly of two functional nanoparticles for homogeneous detection of protein biomarkers. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130710.	7.8	4
14	Aptamer-Linked CRISPR/Cas12a-Based Immunoassay. <i>Analytical Chemistry</i> , 2021, 93, 3209-3216.	6.5	62
15	Biocatalytic CsPbX ₃ Perovskite Nanocrystals: A Self-Reporting Nanoprobe for Metabolism Analysis. <i>Small</i> , 2021, 17, e2103255.	10.0	28
16	Ferric Ions as a Catalytic Mediator in Metal-EGCG Network for Bactericidal Effect and Pathogenic Biofilm Eradication at Physiological pH. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101605.	3.7	7
17	Electrochemical detection of circRNAs based on the combination of back-splice junction and duplex-specific nuclease. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127166.	7.8	29
18	Homogenous Electrochemical Method for Ultrasensitive Detection of Tumor Cells Designed by Introduction of Poly(A) Tails onto Cell Membranes. <i>Analytical Chemistry</i> , 2020, 92, 2194-2200.	6.5	25

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19	Lighting Up CircRNA Using a Linear DNA Nanostructure. <i>Analytical Chemistry</i> , 2020, 92, 12394-12399.	6.5	34
20	Individual Cloud-Based Fingerprint Operation Platform for Latent Fingerprint Identification Using Perovskite Nanocrystals as Eikonogen. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13494-13502.	8.0	26
21	A soft metal-polyphenol capsule-based ultrasensitive immunoassay for electrochemical detection of Epstein-Barr (EB) virus infection. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112310.	10.1	20
22	Erythrocyte membrane-biointerfaced spherical nucleic acids: Robust performance for microRNA quantification. <i>Analytica Chimica Acta</i> , 2019, 1080, 189-195.	5.4	6
23	A label-free electrochemical biosensor for highly sensitive detection of gliotoxin based on DNA nanostructure/MXene nanocomplexes. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111531.	10.1	137
24	Coating a DNA self-assembled monolayer with a metal organic framework-based exoskeleton for improved sensing performance. <i>Analyst, The</i> , 2019, 144, 3539-3545.	3.5	6
25	A novel method to engineer proteases for selective enzyme inhibition. <i>Chemical Communications</i> , 2019, 55, 14039-14042.	4.1	2
26	A pH-responsive bioassay for paper-based diagnosis of exosomes via mussel-inspired surface chemistry. <i>Talanta</i> , 2019, 192, 325-330.	5.5	27
27	An electrochemical sensor for Oct4 detection in human tissue based on target-induced steric hindrance effect on a tetrahedral DNA nanostructure. <i>Biosensors and Bioelectronics</i> , 2019, 127, 194-199.	10.1	26
28	A reusable electrochemical sensor for one-step biosensing in complex media using triplex-forming oligonucleotide coupled DNA nanostructure. <i>Analytica Chimica Acta</i> , 2019, 1055, 90-97.	5.4	21
29	An ultrasensitive electrochemical immunosensor for procalcitonin detection based on the gold nanoparticles-enhanced tyramide signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2019, 126, 543-550.	10.1	61
30	Assembly of Nanoconjugates as New Kind Inhibitor of the Aggregation of Amyloid Peptides Associated with Alzheimer's Disease. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700384.	2.3	6
31	Design of DNA nanostructure-based interfacial probes for the electrochemical detection of nucleic acids directly in whole blood. <i>Chemical Science</i> , 2018, 9, 979-984.	7.4	100
32	Design of a stretchable DNAzyme for sensitive and multiplexed detection of antibodies. <i>Analytica Chimica Acta</i> , 2018, 1041, 102-107.	5.4	9
33	Design of Metal-Organic Framework-Based Nanoprobes for Multicolor Detection of DNA Targets with Improved Sensitivity. <i>Analytical Chemistry</i> , 2018, 90, 9929-9935.	6.5	67
34	A homogeneous, Anti-dsDNA antibody-based assay for multicolor detection of cancer stem cell transcription factors. <i>Analytica Chimica Acta</i> , 2018, 1029, 72-77.	5.4	6
35	<i>In Vitro</i> Analysis of DNA-Protein Interactions in Gene Transcription Using DNAzyme-Based Electrochemical Assay. <i>Analytical Chemistry</i> , 2017, 89, 5003-5007.	6.5	25
36	Flexible regulation of DNA displacement reaction through nucleic acid-recognition enzyme and its application in keypad lock system and biosensing. <i>Scientific Reports</i> , 2017, 7, 10017.	3.3	4

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37	Dynamic sandwich-type electrochemical assay for protein quantification and protein-protein interaction. <i>Analyst</i> , 2017, 142, 4399-4404.	3.5	4
38	One-Step Modification of Electrode Surface for Ultrasensitive and Highly Selective Detection of Nucleic Acids with Practical Applications. <i>Analytical Chemistry</i> , 2016, 88, 7583-7590.	6.5	34
39	Electrochemical detection of DNA 3'-phosphatases based on surface-extended DNA nanotail strategy. <i>Analytica Chimica Acta</i> , 2016, 924, 29-34.	5.4	9
40	Electrochemical detection of Nanog in cell extracts via target-induced resolution of an electrode-bound DNA pseudoknot. <i>Biosensors and Bioelectronics</i> , 2016, 86, 933-938.	10.1	11
41	Simple and fast screening of G-quadruplex ligands with electrochemical detection system. <i>Talanta</i> , 2016, 160, 144-147.	5.5	9
42	Dynamic light scattering (DLS)-based immunoassay for ultra-sensitive detection of tumor marker protein. <i>Chemical Communications</i> , 2016, 52, 7850-7853.	4.1	39
43	Proximity ligation-induced assembly of DNAzymes for simple and cost-effective colourimetric detection of proteins with high sensitivity. <i>Chemical Communications</i> , 2016, 52, 5633-5636.	4.1	43
44	Improvement of enzyme-linked immunosorbent assay for the multicolor detection of biomarkers. <i>Chemical Science</i> , 2016, 7, 3011-3016.	7.4	101
45	Simple electrochemical sensing of attomolar proteins using fabricated complexes with enhanced surface binding avidity. <i>Chemical Science</i> , 2015, 6, 4311-4317.	7.4	63
46	Colorimetric assay for protein detection based on nano-pumpkin-induced aggregation of peptide-decorated gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 71, 348-352.	10.1	52
47	An Array-Based Approach to Determine Different Subtype and Differentiation of Non-Small Cell Lung Cancer. <i>Theranostics</i> , 2015, 5, 62-70.	10.0	22
48	Conjugation of Graphene Oxide with DNA-Modified Gold Nanoparticles to Develop a Novel Colorimetric Sensing Platform. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 201-208.	2.3	31
49	Ultrasensitive detection of lead ion based on target induced assembly of DNAzyme modified gold nanoparticle and graphene oxide. <i>Analytica Chimica Acta</i> , 2014, 831, 60-64.	5.4	59
50	Enhanced Charge Transfer by Gold Nanoparticle at DNA Modified Electrode and Its Application to Label-Free DNA Detection. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7579-7584.	8.0	100
51	Fabrication of hand-in-hand nanostructure for one-step protein detection. <i>Chemical Communications</i> , 2013, 49, 3760.	4.1	24