Yuting Zhang

List of Publications by Year
in descending order

55 papers	1,425 citations	331538 21 h-index	330025 37 g-index
55 all docs	55 docs citations	55 times ranked	1657 citing authors

#	Article	IF	Citations
1	Enhanced removal of aqueous Cr(VI) by a green synthesized nanoscale zero-valent iron supported on oak wood biochar. Chemosphere, 2020, 245, 125542.	4.2	124
2	Removal mechanisms of aqueous Cr(VI) using apple wood biochar: a spectroscopic study. Journal of Hazardous Materials, 2020, 384, 121371.	6.5	118
3	Selection and identification of streptomycin-specific single-stranded DNA aptamers and the application in the detection of streptomycin in honey. Talanta, 2013, 108, 109-116.	2.9	108
4	Direct electrochemical detection of kanamycin based on peroxidase-like activity of gold nanoparticles. Analytica Chimica Acta, 2016, 936, 75-82.	2.6	95
5	Electrochemical detection of tobramycin based on enzymes-assisted dual signal amplification by using a novel truncated aptamer with high affinity. Biosensors and Bioelectronics, 2018, 122, 254-262.	5.3	75
6	Self-Assembled DNA Nanoflowers Triggered by a DNA Walker for Highly Sensitive Electrochemical Detection of Staphylococcus aureus. ACS Applied Materials & Interfaces, 2021, 13, 4905-4914.	4.0	68
7	Aptamer-based spectrophotometric detection of kanamycin in milk. Analytical Methods, 2014, 6, 1569.	1.3	67
8	Simultaneous electrochemical detection of multiple antibiotic residues in milk based on aptamers and quantum dots. Analytical Methods, 2016, 8, 1981-1988.	1.3	49
9	A label-free electrochemical aptasensor for the detection of kanamycin in milk. Analytical Methods, 2015, 7, 1991-1996.	1.3	46
10	Amperometric Aptasensor for Amyloid-Î² Oligomer Detection by Optimized Stem-Loop Structures with an Adjustable Detection Range. ACS Sensors, 2019, 4, 3042-3050.	4.0	44
11	Catalytic and Dualâ€Conductive Matrix Regulating the Kinetic Behaviors of Polysulfides in Flexible Liâ€“S Batteries. Advanced Energy Materials, 2020, 10, 2001683.	10.2	42
12	Gold nanoparticle based photometric determination of tobramycin by using new specific DNA aptamers. Mikrochimica Acta, 2018, 185, 4.	2.5	41
13	Visual detection of kanamycin with DNA-functionalized gold nanoparticles probe in aptamer-based strip biosensor. Analytical Biochemistry, 2019, 587, 113432.	1.1	36
14	A fluorescence and surface-enhanced Raman scattering dual-mode aptasensor for rapid and sensitive detection of ochratoxin A. Biosensors and Bioelectronics, 2022, 207, 114164.	5.3	36
15	Functional chimera aptamer and molecular beacon based fluorescent detection of Staphylococcus aureus with strand displacement-target recycling amplification. Analytica Chimica Acta, 2019, 1075, 128-136.	2.6	35
16	Screening and application of a truncated aptamer for high-sensitive fluorescent detection of metronidazole. Analytica Chimica Acta, 2020, 1128, 203-210.	2.6	28
17	Preparation of pickling-reheating activated alfalfa biochar with high adsorption efficiency for p-nitrophenol: characterization, adsorption behavior, and mechanism. Environmental Science and Pollution Research, 2019, 26, 15300-15313.	2.7	27
18	Phenolic composition and effects on allergic contact dermatitis of phenolic extracts Sapium sebiferum (L.) Roxb. leaves. Journal of Ethnopharmacology, 2015, 162, 176-180.	2.0	26

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19	A fluorescent aptasensor for Staphylococcus aureus based on strand displacement amplification and self-assembled DNA hexagonal structure. Mikrochimica Acta, 2020, 187, 304.	2.5	25
20	Interfacial charge dominating major active species and degradation pathways: An example of carbon based photocatalyst. Journal of Colloid and Interface Science, 2019, 554, 743-751.	5.0	22
21	Digital gene expression analysis of the pathogenesis and therapeutic mechanisms of ligustrazine and puerarin in rat atherosclerosis. Gene, 2014, 552, 75-80.	1.0	21
22	Electrochemical detection of sequence-specific DNA based on formation of G-quadruplex-hemin through continuous hybridization chain reaction. Analytica Chimica Acta, 2018, 1021, 121-128.	2.6	20
23	A lateral flow strip for on-site detection of tobramycin based on dual-functional platinum-decorated gold nanoparticles. Analyst, The, 2021, 146, 3608-3616.	1.7	19
24	Purification, characterization, and biocatalytic potential of a novel dextranase from Chaetomium globosum. Biotechnology Letters, 2018, 40, 1407-1418.	1.1	18
25	An ultrasensitive biosensor for dual-specific DNA based on deposition of polyaniline on a self-assembled multi-functional DNA hexahedral-nanostructure. Biosensors and Bioelectronics, 2021, 179, 113066.	5.3	18
26	Preparation of crosslinked enzyme aggregates (CLEAs) of acid urease with urethanase activity and their application. Journal of Basic Microbiology, 2016, 56, 422-431.	1.8	16
27	Graphene oxide-based selection and identification of ofloxacin-specific single-stranded DNA aptamers. RSC Advances, 2016, 6, 99540-99545.	1.7	16
28	The Influence of Precipitation Regimes and Elevated CO2 on Photosynthesis and Biomass Accumulation and Partitioning in Seedlings of the Rhizomatous Perennial Grass Leymus chinensis. PLoS ONE, 2014, 9, e103633.	1.1	14
29	Characteristics of refold acid urease immobilized covalently by graphene oxide-chitosan composite beads. Journal of Bioscience and Bioengineering, 2019, 127, 16-22.	1.1	14
30	Expression of an Acid Urease with Urethanase Activity in E. coli and Analysis of Urease Gene. Molecular Biotechnology, 2017, 59, 84-97.	1.3	13
31	Optimized expression of prolyl aminopeptidase in Pichia pastoris and its characteristics after glycosylation. World Journal of Microbiology and Biotechnology, 2016, 32, 176.	1.7	12
32	Highâ€sensitive Electrochemical Determination of Ethyl Carbamate Using Urethanase and Glutamate Dehydrogenase Modified Electrode. Electroanalysis, 2017, 29, 481-488.	1.5	12
33	A FRET-based detection of N-acetylneuraminic acid using CdSe/ZnS quantum dot and exonuclease III-assisted recycling amplification strategy. Food Chemistry, 2022, 367, 130754.	4.2	12
34	UV-visible spectroscopic detection of kanamycin based on target-induced growth of gold nanoparticles. Analytical Methods, 2017, 9, 4843-4850.	1.3	11
35	Electrochemical Biosensors Based on Microâ€fabricated Devices for Pointâ€ofâ€Care Testing: A Review. Electroanalysis, 2022, 34, 168-183.	1.5	11
36	Fluorescent biosensor based on FRET and catalytic hairpin assembly for sensitive detection of polysialic acid by using a new screened DNA aptamer. Talanta, 2022, 242, 123282.	2.9	11

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37	A colorimetric ATP assay based on the use of a magnesium(II)-dependent DNAzyme. Mikrochimica Acta, 2019, 186, 176.	2.5	10
38	Spectrophotometric determination of ethyl carbamate through bi-enzymatic cascade reactions. Analytical Methods, 2015, 7, 1261-1264.	1.3	8
39	Switchable DNA tweezer and G-quadruplex nanostructures for ultrasensitive voltammetric determination of the K-ras gene fragment. Mikrochimica Acta, 2019, 186, 843.	2.5	8
40	An electrochemical aptasensor for ATP based on a configuration-switchable tetrahedral DNA nanostructure. Analytical Methods, 2020, 12, 3285-3289.	1.3	8
41	Ultrasensitive detection of the androgen receptor through the recognition of an androgen receptor response element and hybridization chain amplification. Analyst, The, 2019, 144, 2179-2185.	1.7	6
42	A portable and quantitative detection of microRNA-21 based on cascade enzymatic reactions with dual signal outputs. Talanta, 2021, 235, 122802.	2.9	6
43	Fluorescent Aptasensor for Highly Specific Detection of ATP Using a Newly Screened Aptamer. Sensors, 2022, 22, 2425.	2.1	6
44	Preparation of integrative cubes as a novel biological permeable reactive barrier medium for the enhancement of in situ aerobic bioremediation of nitrobenzene-contaminated groundwater. Environmental Earth Sciences, 2018, 77, 1.	1.3	5
45	Mutagenesis for Improvement of Activity and Stability of Prolyl Aminopeptidase from Aspergillus oryzae. Applied Biochemistry and Biotechnology, 2020, 191, 1483-1498.	1.4	5
46	Engineering a G-quadruplex-based logic gate platform for sensitive assay of dual biomarkers of ovarian cancer. Analytica Chimica Acta, 2022, 1198, 339559.	2.6	3
47	Ultrasensitive electrochemical detection of dual DNA targets based on G-quadruplex-mediated amplification. RSC Advances, 2015, 5, 57532-57537.	1.7	2
48	Construction of Rich Conductive Pathways from Bottom to Top: A Highly Efficient Chargeâ€Transfer System Used in Durable Li/Naâ€Ion Batteries at â˜20â€‰Â°C. Chemistry - A European Journal, 2020, 26, 13274-13281.	1.7	2
49	Development of a sensitive and stable chemiluminescent immunoassay for detection of birch pollen allergic specific IgE based on recombinant Bet v1 protein. Journal of Immunological Methods, 2021, 493, 113040.	0.6	2
50	A pH-Gated Functionalized Hollow Mesoporous Silica Delivery System for Photodynamic Sterilization in Staphylococcus aureus Biofilm. Materials, 2022, 15, 2815.	1.3	2
51	Electroanalysis of D-Amino Acid Oxidase and Its Interaction with Hydrogen Peroxide. Analytical Letters, 2008, 41, 1408-1418.	1.0	1
52	The tolerance of growth and clonal propagation of Phragmites australis (common reeds) subjected to lead contamination under elevated CO2conditions. RSC Advances, 2015, 5, 55527-55535.	1.7	1
53	Electrochemical study of thymine dimer based on DNA charge transfer. Journal of Analytical Chemistry, 2011, 66, 642-645.	0.4	0
54	Screening, Post-SELEX Optimization and Application of DNA Aptamers Specific for Tobramycin. Methods in Molecular Biology, 2020, 2070, 1-18.	0.4	0

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55	A bacteriostatic and hemostatic medical dressing based on PEG modified keratin/carboxymethyl chitosan. International Journal of Polymeric Materials and Polymeric Biomaterials, 0, , 1-9.	1.8	0