

Guohua Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,390
citations

279798

23
h-index

330143

37
g-index

44
all docs

44
docs citations

44
times ranked

2113
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemiluminescence biosensors for DNA detection using graphene oxide and a horseradish peroxidase-mimicking DNAzyme. <i>Chemical Communications</i> , 2012, 48, 1126-1128.	4.1	145
2	Simultaneous Determination of Human Enterovirus 71 and Coxsackievirus B3 by Dual-Color Quantum Dots and Homogeneous Immunoassay. <i>Analytical Chemistry</i> , 2012, 84, 3200-3207.	6.5	132
3	One-Pot Synthesized Aptamer-Functionalized CdTe:Zn ²⁺ Quantum Dots for Tumor-Targeted Fluorescence Imaging in Vitro and in Vivo. <i>Analytical Chemistry</i> , 2013, 85, 5843-5849.	6.5	118
4	A label-free fluorescent aptasensor for the detection of Aflatoxin B1 in food samples using AlEgens and graphene oxide. <i>Talanta</i> , 2019, 198, 71-77.	5.5	90
5	A metal-organic framework/aptamer system as a fluorescent biosensor for determination of aflatoxin B1 in food samples. <i>Talanta</i> , 2020, 219, 121342.	5.5	72
6	Visual detection of melamine in milk samples based on label-free and labeled gold nanoparticles. <i>Talanta</i> , 2011, 85, 1013-1019.	5.5	63
7	A colorimetric and ratiometric fluorescent probe with ultralow detection limit and high selectivity for phosgene sensing. <i>Dyes and Pigments</i> , 2019, 163, 489-495.	3.7	56
8	Metal-organic framework-based molecular beacons for multiplexed DNA detection by synchronous fluorescence analysis. <i>Analyst, The</i> , 2014, 139, 1721.	3.5	53
9	A positively charged QDs-based FRET probe for micrococcal nuclease detection. <i>Analyst, The</i> , 2010, 135, 2394.	3.5	51
10	Dual-Color Fluorescence and Homogeneous Immunoassay for the Determination of Human Enterovirus 71. <i>Analytical Chemistry</i> , 2011, 83, 7316-7322.	6.5	41
11	An ultrasensitive biosensor for DNA detection based on hybridization chain reaction coupled with the efficient quenching of a ruthenium complex to CdTe quantum dots. <i>Chemical Communications</i> , 2013, 49, 7424.	4.1	41
12	Simple, rapid, homogeneous oligonucleotides colorimetric detection based on non-aggregated gold nanoparticles. <i>Chemical Communications</i> , 2012, 48, 3164.	4.1	38
13	Peptide-Capped Gold Nanoparticle for Colorimetric Immunoassay of Conjugated Abscisic Acid. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5010-5015.	8.0	36
14	Ultrasensitive detection of small molecule-protein interaction via terminal protection of small molecule linked DNA and Exo III-aided DNA recycling amplification. <i>Chemical Communications</i> , 2013, 49, 8854.	4.1	35
15	Construction of a molecular beacon based on two-photon excited fluorescence resonance energy transfer with quantum dot as donor. <i>Chemical Communications</i> , 2011, 47, 2622.	4.1	31
16	Dual-color determination of protein via terminal protection of small-molecule-linked DNA and the enzymolysis of exonuclease III. <i>Biosensors and Bioelectronics</i> , 2014, 58, 205-208.	10.1	31
17	A new colorimetric platform for ultrasensitive detection of protein and cancer cells based on the assembly of nucleic acids and proteins. <i>Analytica Chimica Acta</i> , 2015, 880, 1-7.	5.4	30
18	Recent Development of Aptamer Sensors for the Quantification of Aflatoxin B1. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2364.	2.5	28

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19	Asynchronous-Switching Map-Based Stability Effects of Circuit Parameters in Fixed Off-Time Controlled Buck Converter. <i>IEEE Transactions on Power Electronics</i> , 2016, 31, 6686-6697.	7.9	27
20	Nitrogen-sulfur co-doped pH-insensitive fluorescent carbon dots for high sensitive and selective hypochlorite detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 242, 118721.	3.9	27
21	Toehold-mediated DNA logic gates based on host-guest DNA-GNPs. <i>Chemical Communications</i> , 2014, 50, 12026-12029.	4.1	26
22	Analysis of genetically modified organisms by pyrosequencing on a portable photodiode-based bioluminescence sequencer. <i>Food Chemistry</i> , 2014, 154, 78-83.	8.2	25
23	Bifurcation analysis and operation region estimation of current-mode-controlled SIDO boost converter. <i>IET Power Electronics</i> , 2017, 10, 846-853.	2.1	24
24	Dual color fluorescence quantitative detection of specific single-stranded DNA with molecular beacons and nucleic acid dye SYBR Green I. <i>Analyst</i> , The, 2012, 137, 3787.	3.5	21
25	1,6-Elimination reaction induced detection of fluoride ions in vitro and in vivo based on a NIR fluorescent probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117108.	3.9	19
26	One-step synthesis of DNA functionalized cadmium-free quantum dots and its application in FRET-based protein sensing. <i>Analytica Chimica Acta</i> , 2017, 957, 63-69.	5.4	14
27	Peptide-coated palladium nanoparticle for highly sensitive bioanalysis of trypsin in human urine samples. <i>Nanomaterials and Nanotechnology</i> , 2018, 8, 184798041882039.	3.0	14
28	One Step Preparation of Peptide-Coated Gold Nanoparticles with Tunable Size. <i>Materials</i> , 2019, 12, 2107.	2.9	14
29	Assembly-line manipulation of droplets in microfluidic platform for fluorescence encoding and simultaneous multiplexed DNA detection. <i>Talanta</i> , 2015, 134, 271-277.	5.5	12
30	Controlled Assembly of Gold Nanoparticles through Antibody Recognition: Study and Utilizing the Effect of Particle Size on Interparticle Distance. <i>Langmuir</i> , 2013, 29, 4697-4702.	3.5	11
31	Label-Free Homogeneous Immunosensor Based on FRET for the Detection of Virus Antibody in Serum. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1764-1767.	3.3	10
32	Immunomagnetic assay combined with CdSe/ZnS amplification of chemiluminescence for the detection of abscisic acid. <i>Science China Chemistry</i> , 2011, 54, 1298-1303.	8.2	9
33	A one-tube multiplexed colorimetric strategy based on plasmonic nanoparticles combined with non-negative matrix factorization. <i>Talanta</i> , 2014, 128, 305-310.	5.5	8
34	Predicting Pharmacokinetics Variation of Faropenem Using a Pharmacometabonomic Approach. <i>Journal of Proteome Research</i> , 2020, 19, 119-128.	3.7	8
35	Robust Aqueous Quantum Dots Capped with Peptide Ligands as Biomaterials: Facile Preparation, Good Stability, and Multipurpose Application. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 382-389.	2.3	7
36	An aqueous platinum nanotube based fluorescent immuno-assay for porcine reproductive and respiratory syndrome virus detection. <i>Talanta</i> , 2015, 144, 324-328.	5.5	7

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37	Front-End Bidirectional Symmetric Bipolar Outputs <i>LLC</i> DC-Transformer (DCX) for a Half Bridge Class-D Audio Amplifier. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 10750-10760.	7.9	6
38	Immunoassays with Protein Misfolding Cycle Amplification: A Platform for Ultrasensitive Detection of Antigen. <i>Analytical Chemistry</i> , 2012, 84, 7343-7349.	6.5	3
39	Lipid membrane anchoring and highly specific fluorescence detection of cancer-derived exosomes based on postfunctionalized zirconium-metal-organic frameworks. <i>Biochemical and Biophysical Research Communications</i> , 2022, 609, 69-74.	2.1	3
40	Unified discrete-time modelling and dynamical behaviour analysis of current mode controlled triac-dc converters. <i>IET Power Electronics</i> , 2019, 12, 51-60.	2.1	2
41	Integration analysis of metabolites and single nucleotide polymorphisms improves the prediction of drug response of celecoxib. <i>Metabolomics</i> , 2020, 16, 41.	3.0	2
42	Crystal structure of 2-((<i>tert</i> -butyldimethylsilyloxy)-5-methylisophthalaldehyde, C ₁₅ H ₂₂ O ₃ Si. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2019, 234, 227-229.	0.3	0
43	Crystal structure of 3-methyl-3-(2,4,5-trimethyl-3,6-dioxocyclohexa-1,4-dien-1-yl)butanoic acid, C ₁₄ H ₁₈ O ₄ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2020, 235, 447-449.	0.3	0
44	Multiplex Detection of Viral DNAs in Blood by Colorimetrically Identifying Polymerase Chain Reaction Amplicons with Serial Invasive Reaction Assisted Gold Nanoparticle Probes Assembling. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6140-6147.	0.9	0