

# Guifen Jie

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,698  
citations

257450

24  
h-index

276875

41  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Versatile Electrochemiluminescence Assays for Cancer Cells Based on Dendrimer/CdSe@ZnS Quantum Dot Nanoclusters. <i>Analytical Chemistry</i> , 2011, 83, 3873-3880.	6.5	184
2	Novel Magnetic Fe <sub>3</sub> O <sub>4</sub> @CdSe Composite Quantum Dot-Based Electrochemiluminescence Detection of Thrombin by a Multiple DNA Cycle Amplification Strategy. <i>Analytical Chemistry</i> , 2012, 84, 2811-2817.	6.5	129
3	A novel silver nanocluster in situ synthesized as versatile probe for electrochemiluminescence and electrochemical detection of thrombin by multiple signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2017, 94, 243-249.	10.1	86
4	Versatile Electrochemiluminescence and Electrochemical Assays of Methyltransferases and Aflatoxin B1 Based on a Novel Multifunctional DNA Nanotube. <i>Analytical Chemistry</i> , 2019, 91, 3546-3554.	6.5	86
5	Magnetic Electrochemiluminescent Fe <sub>3</sub> O <sub>4</sub> /CdSe/CdS Nanoparticle/Polyelectrolyte Nanocomposite for Highly Efficient Immunosensing of a Cancer Biomarker. <i>Chemistry - A European Journal</i> , 2011, 17, 641-648.	3.3	82
6	Quantum dots-based multifunctional dendritic superstructure for amplified electrochemiluminescence detection of ATP. <i>Biosensors and Bioelectronics</i> , 2012, 31, 69-76.	10.1	61
7	A novel quantum dot nanocluster as versatile probe for electrochemiluminescence and electrochemical assays of DNA and cancer cells. <i>Biosensors and Bioelectronics</i> , 2014, 52, 69-75.	10.1	61
8	Versatile Electrochemiluminescence and Photoelectrochemical Detection of Glutathione Using Mn <sup>2+</sup> Substitute Target by DNA-Walker-Induced Allosteric Switch and Signal Amplification. <i>Analytical Chemistry</i> , 2019, 91, 14117-14124.	6.5	61
9	Versatile fluorescence detection of microRNA based on novel DNA hydrogel-amplified signal probes coupled with DNA walker amplification. <i>Chemical Communications</i> , 2019, 55, 3919-3922.	4.1	60
10	Amplified electrochemiluminescence detection of CEA based on magnetic Fe <sub>3</sub> O <sub>4</sub> @Au nanoparticles-assembled Ru@SiO <sub>2</sub> nanocomposites combined with multiple cycling amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018, 118, 115-121.	10.1	56
11	Versatile photoelectrochemical and electrochemiluminescence biosensor based on 3D CdSe QDs-DNA nanonetwork-SnO <sub>2</sub> nanoflower coupled with DNA walker amplification for HIV detection. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113455.	10.1	49
12	Versatile biosensing of thrombin and miRNA based on Ag ion-enhanced or Ag nanocluster-quenched electrochemiluminescence coupled with hybridization chain reaction amplification. <i>Chemical Communications</i> , 2019, 55, 7350-7353.	4.1	44
13	Graphene quantum dots-based electrochemiluminescence detection of DNA using multiple cycling amplification strategy. <i>Talanta</i> , 2019, 194, 658-663.	5.5	44
14	Versatile Photoelectrochemical Biosensing for Hg <sup>2+</sup> and Aflatoxin B1 Based on Enhanced Photocurrent of AgInS <sub>2</sub> Quantum Dot@DNA Nanowires Sensitizing NPC@ZnO Nanopolyhedra. <i>Analytical Chemistry</i> , 2022, 94, 5814-5822.	6.5	41
15	3D DNA nanosphere-based photoelectrochemical biosensor combined with multiple enzyme-free amplification for ultrasensitive detection of cancer biomarkers. <i>Biosensors and Bioelectronics</i> , 2020, 147, 111778.	10.1	38
16	Silver nanoclusters-assisted ion-exchange reaction with CdTe quantum dots for photoelectrochemical detection of adenosine by target-triggering multiple-cycle amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018, 110, 239-245.	10.1	37
17	Triple-helix molecular switch-based versatile electrochemiluminescence and fluorescence biosensing platform for ultrasensitive detection of lipopolysaccharide by multiple-amplification strategy. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111602.	10.1	36
18	An electrochemiluminescence biosensor based on DNA nanotweezer probe coupled with tripod capture DNA for high sensitive detection of Pb <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128985.	7.8	35

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19	Silver nanowires-based signal amplification for CdSe quantum dots electrochemiluminescence immunoassay. <i>Biosensors and Bioelectronics</i> , 2015, 66, 84-88.	10.1	34
20	Supersandwich Nanowire/Quantum Dots Sensitization Structure-Based Photoelectrochemical "Signal-On" Platform for Ultrasensitive Detection of Thrombin. <i>Analytical Chemistry</i> , 2020, 92, 6734-6740.	6.5	34
21	Amplified electrochemiluminescence detection of cancer cells using a new bifunctional quantum dot as signal probe. <i>Biosensors and Bioelectronics</i> , 2013, 50, 368-372.	10.1	33
22	Autocatalytic amplified detection of DNA based on a CdSe quantum dot/folic acid electrochemiluminescence energy transfer system. <i>Analyst</i> , The, 2015, 140, 79-82.	3.5	32
23	Multiplexed fluorescence detection of microRNAs based on novel distinguishable quantum dot signal probes by cycle amplification strategy. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 1026-1034.	7.8	26
24	Fluorescent Mn:ZnCdS@ZnS and CdTe Quantum Dots Probes on SiO <sub>2</sub> Microspheres for Versatile Detection of Carcinoembryonic Antigen and Monitoring T4 Polynucleotide Kinase Activity. <i>ACS Applied Nano Materials</i> , 2019, 2, 4637-4645.	5.0	26
25	Target-switchable DNA hydrogels coupled with a Bi <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> /Bi <sub>2</sub> S <sub>3</sub> heterojunction based on <i>in situ</i> anion exchange for the "signal-on" photoelectrochemical detection of DNA. <i>Nanoscale</i> , 2021, 13, 7678-7684.	5.6	25
26	Three-way DNA junction structure combined with enzyme-powered cascade amplification for ultrasensitive electrochemiluminescence detection of microRNA via smart DNA walker. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 116-122.	7.8	24
27	Sensitive electrochemiluminescence detection of cancer cells based on a CdSe/ZnS quantum dot nanocluster by multibranch hybridization chain reaction on gold nanoparticles. <i>RSC Advances</i> , 2016, 6, 24780-24785.	3.6	23
28	AgNPs-3D nanostructure enhanced electrochemiluminescence of CdSe quantum dot coupled with strand displacement amplification for sensitive biosensing of DNA. <i>Analytica Chimica Acta</i> , 2017, 983, 166-172.	5.4	20
29	Quantum dots bilayers/Au@Ag-based electrochemiluminescence resonance energy transfer for detection of thrombin by autocatalytic multiple amplification strategy. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 857-862.	7.8	19
30	Ultrasensitive electrochemiluminescence biosensor for the detection of carcinoembryonic antigen based on multiple amplification and a DNA walker. <i>Sensors and Actuators B: Chemical</i> , 2021, 333, 129586.	7.8	19
31	Amplified electrochemiluminescence detection of DNA based on novel quantum dots signal probe by multiple cycling amplification strategy. <i>Talanta</i> , 2018, 183, 108-113.	5.5	16
32	Dual-stabilizer-capped CdSe quantum dots for "Off" electrochemiluminescence biosensing of thrombin by target-triggered multiple amplification. <i>RSC Advances</i> , 2016, 6, 2065-2071.	3.6	15
33	A versatile dendritical amplification photoelectric biosensing platform based on Bi <sub>2</sub> S <sub>3</sub> nanorods and a perylene-based polymer for signal "on" and "off" double detection of DNA. <i>Analyst</i> , The, 2020, 145, 5524-5531.	3.5	15
34	Photoelectrochemical biosensor based on BiVO <sub>4</sub> /Ag <sub>2</sub> S heterojunction coupled with Exo III-assisted silver nanoclusters amplification for tumor suppressor gene P53. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130426.	7.8	15
35	Ratiometric electrochemical biosensor based on silver nanoparticles coupled with walker amplification for sensitive detection of microRNA. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131115.	7.8	15
36	Electrochemiluminescence of Dendritic Magnetic Quantum Dots Nanostructure and Its Quenching by Gold Nanoparticles for Cancer Cells Assay. <i>Electroanalysis</i> , 2012, 24, 1220-1225.	2.9	14

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37	Multifunctional DNA nanocage with CdTe quantum dots for fluorescence detection of human 8-oxoG DNA glycosylase 1 and doxorubicin delivery to cancer cells. <i>Mikrochimica Acta</i> , 2019, 186, 85.	5.0	14
38	Signal-on Photoelectrochemical bioassay for DNA based on CdTe quantum dots by endonuclease-aided cycling amplification strategy. <i>Journal of Electroanalytical Chemistry</i> , 2018, 812, 68-73.	3.8	13
39	Click chemistry reaction-triggered DNA walker amplification coupled with hyperbranched DNA nanostructure for versatile fluorescence detection and drug delivery to cancer cells. <i>Mikrochimica Acta</i> , 2020, 187, 625.	5.0	12
40	Photoinduced-electron transfer coupled with DNA cross-chain displacement multiple amplification for fluorescence biosensing of MicroRNA. <i>Analytica Chimica Acta</i> , 2021, 1148, 238169.	5.4	12
41	Versatile electrochemiluminescence sensor for dual-potential "off" and "on" detection of double targets based on a novel terbium organic gel and multifunctional DNA network probes. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131740.	7.8	11
42	A Fluorescent Polymeric Quantum Dot/Aptamer Superstructure and Its Application for Imaging of Cancer Cells. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1261-1264.	3.3	9
43	Amplified fluorescence biosensing system for microRNA detection based on a novel DNA-network nanoarchitecture. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129847.	7.8	8
44	A dendritically amplified fluorescent signal probe on SiO <sub>2</sub> microspheres for the ultrasensitive detection of mercury ions. <i>Analyst</i> , The, 2020, 145, 2805-2810.	3.5	7
45	Signal-off photoelectrochemical biosensing platform based on hybridization chain-doped manganese porphyrin quenching on CdSe signal coupling with cyclic amplification for thrombin detection. <i>Journal of Electroanalytical Chemistry</i> , 2020, 879, 114803.	3.8	6
46	Cyclometalated Iridium(III) Complex-Sensitized NiO-Based-Cathodic Photoelectrochemical Platform for DNA Methyltransferase Assay. <i>ACS Applied Bio Materials</i> , 2021, 4, 6103-6111.	4.6	6
47	Au-quantum dot nanocluster electrochemiluminescence coupled with cycling-amplification for sensitive microRNA detection. <i>Analytical Biochemistry</i> , 2022, 639, 114530.	2.4	3
48	Highly intense fluorescence of novel carbon nanocrystals combined with a DNAzyme-assisted autocatalytic multiple amplification strategy for sensitive detection of thrombin. <i>Analyst</i> , The, 2016, 141, 2865-2869.	3.5	2
49	Cell-activatable CdSe fluorescence probe for dual-targeted imaging and drug application. <i>Analytical Methods</i> , 2014, 6, 7154.	2.7	0