Guifen Jie

List of Publications by Year
in descending order

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	Ratiometric electrochemical biosensor based on silver nanoparticles coupled with walker amplification for sensitive detection of microRNA. Sensors and Actuators B: Chemical, 2022, 353, 131115.	7.8	15
2	Au-quantum dot nanocluster electrochemiluminescence coupled with cycling-amplification for sensitive microRNA detection. Analytical Biochemistry, 2022, 639, 114530.	2.4	3
3	Versatile Photoelectrochemical Biosensing for Hg²⁺ and Aflatoxin B1 Based on Enhanced Photocurrent of AgInS₂ Quantum Dotâ€"DNA Nanowires Sensitizing NPCâ€"ZnO Nanopolyhedra. Analytical Chemistry, 2022, 94, 5814-5822.	6.5	41
4	Versatile electrochemiluminescence sensor for dual-potential â€œoffâ€•and â€œonâ€•detection of double targets based on a novel terbium organic gel and multifunctional DNA network probes. Sensors and Actuators B: Chemical, 2022, 362, 131740.	7.8	11
5	An â€œon-offâ€•electrochemiluminescence biosensor based on DNA nanotweezer probe coupled with tripod capture DNA for high sensitive detection of Pb2+. Sensors and Actuators B: Chemical, 2021, 326, 128985.	7.8	35
6	Target-switchable DNA hydrogels coupled with a Bi₂Sn₂O₇/Bi₂S₃ heterojunction based on in situ anion exchange for the â€œsignal-onâ€•photoelectrochemical detection of DNA. Nanoscale, 2021, 13, 7678-7684.	5.6	25
7	Photoinduced-electron transfer coupled with DNA cross-chain displacement multiple amplification for fluorescence biosensing of MicroRNA. Analytica Chimica Acta, 2021, 1148, 238169.	5.4	12
8	Ultrasensitive electrochemiluminescence biosensor for the detection of carcinoembryonic antigen based on multiple amplification and a DNA walker. Sensors and Actuators B: Chemical, 2021, 333, 129586.	7.8	19
9	Amplified fluorescence biosensing system for microRNA detection based on a novel DNA-network nanoarchitecture. Sensors and Actuators B: Chemical, 2021, 339, 129847.	7.8	8
10	Cyclometalated Iridium(III) Complex-Sensitized NiO-Based-Cathodic Photoelectrochemical Platform for DNA Methyltransferase Assay. ACS Applied Bio Materials, 2021, 4, 6103-6111.	4.6	6
11	Photoelectrochemical biosensor based on BiVO4/Ag2S heterojunction coupled with Exo III-assisted silver nanoclusters amplification for tumor suppressor gene P53. Sensors and Actuators B: Chemical, 2021, 345, 130426.	7.8	15
12	Versatile photoelectrochemical and electrochemiluminescence biosensor based on 3D CdSe QDs-DNA nanonetwork-SnO2 nanoflower coupled with DNA walker amplification for HIV detection. Biosensors and Bioelectronics, 2021, 191, 113455.	10.1	49
13	3D DNA nanosphere-based photoelectrochemical biosensor combined with multiple enzyme-free amplification for ultrasensitive detection of cancer biomarkers. Biosensors and Bioelectronics, 2020, 147, 111778.	10.1	38
14	Click chemistry reaction-triggered DNA walker amplification coupled with hyperbranched DNA nanostructure for versatile fluorescence detection and drug delivery to cancer cells. Mikrochimica Acta, 2020, 187, 625.	5.0	12
15	Signal-off photoelectrochemical biosensing platform based on hybridization chain-doped manganese porphyrin quenching on CdSe signal coupling with cyclic amplification for thrombin detection. Journal of Electroanalytical Chemistry, 2020, 879, 114803.	3.8	6
16	A versatile dendritical amplification photoelectric biosensing platform based on Bi₂S₃ nanorods and a perylene-based polymer for signal â€œonâ€•and â€œoffâ€• double detection of DNA. Analyst, The, 2020, 145, 5524-5531.	3.5	15
17	A dendritically amplified fluorescent signal probe on SiO₂ microspheres for the ultrasensitive detection of mercury ions. Analyst, The, 2020, 145, 2805-2810.	3.5	7
18	Supersandwich Nanowire/Quantum Dots Sensitization Structure-Based Photoelectrochemical â€œSignal-Onâ€•Platform for Ultrasensitive Detection of Thrombin. Analytical Chemistry, 2020, 92, 6734-6740.	6.5	34

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19	Fluorescent Mn:ZnCdS@ZnS and CdTe Quantum Dots Probes on SiO₂ Microspheres for Versatile Detection of Carcinoembryonic Antigen and Monitoring T4 Polynucleotide Kinase Activity. ACS Applied Nano Materials, 2019, 2, 4637-4645.	5.0	26
20	Versatile Electrochemiluminescence and Photoelectrochemical Detection of Glutathione Using Mn²⁺ Substitute Target by DNA-Walker-Induced Allosteric Switch and Signal Amplification. Analytical Chemistry, 2019, 91, 14117-14124.	6.5	61
21	Triple-helix molecular switch-based versatile â€œoff-onâ€•electrochemiluminescence and fluorescence biosensing platform for ultrasensitive detection of lipopolysaccharide by multiple-amplification strategy. Biosensors and Bioelectronics, 2019, 143, 111602.	10.1	36
22	Versatile â€œonâ€“offâ€•biosensing of thrombin and miRNA based on Ag(<scp>i</scp>) ion-enhanced or Ag nanocluster-quenched electrochemiluminescence coupled with hybridization chain reaction amplification. Chemical Communications, 2019, 55, 7350-7353.	4.1	44
23	Versatile fluorescence detection of microRNA based on novel DNA hydrogel-amplified signal probes coupled with DNA walker amplification. Chemical Communications, 2019, 55, 3919-3922.	4.1	60
24	Versatile Electrochemiluminescence and Electrochemical â€œOnâ€“Offâ€•Assays of Methyltransferases and Aflatoxin B1 Based on a Novel Multifunctional DNA Nanotube. Analytical Chemistry, 2019, 91, 3546-3554.	6.5	86
25	Graphene quantum dots-based electrochemiluminescence detection of DNA using multiple cycling amplification strategy. Talanta, 2019, 194, 658-663.	5.5	44
26	Multifunctional DNA nanocage with CdTe quantum dots for fluorescence detection of human 8-oxoG DNA glycosylase 1 and doxorubicin delivery to cancer cells. Mikrochimica Acta, 2019, 186, 85.	5.0	14
27	Amplified electrochemiluminescence detection of DNA based on novel quantum dots signal probe by multiple cycling amplification strategy. Talanta, 2018, 183, 108-113.	5.5	16
28	Signal-on Photoelectrochemical bioassay for DNA based on CdTe quantum dots by endonuclease-aided cycling amplification strategy. Journal of Electroanalytical Chemistry, 2018, 812, 68-73.	3.8	13
29	Silver nanoclusters-assisted ion-exchange reaction with CdTe quantum dots for photoelectrochemical detection of adenosine by target-triggering multiple-cycle amplification strategy. Biosensors and Bioelectronics, 2018, 110, 239-245.	10.1	37
30	Three-way DNA junction structure combined with enzyme-powered cascade amplification for ultrasensitive electrochemiluminescence detection of microRNA via smart DNA walker. Sensors and Actuators B: Chemical, 2018, 274, 116-122.	7.8	24
31	Amplified electrochemiluminescence detection of CEA based on magnetic Fe3O4@Au nanoparticles-assembled Ru@SiO2 nanocomposites combined with multiple cycling amplification strategy. Biosensors and Bioelectronics, 2018, 118, 115-121.	10.1	56
32	A novel silver nanocluster in situ synthesized as versatile probe for electrochemiluminescence and electrochemical detection of thrombin by multiple signal amplification strategy. Biosensors and Bioelectronics, 2017, 94, 243-249.	10.1	86
33	AgNPs-3D nanostructure enhanced electrochemiluminescence of CdSe quantum dot coupled with strand displacement amplification for sensitive biosensing of DNA. Analytica Chimica Acta, 2017, 983, 166-172.	5.4	20
34	Multiplexed fluorescence detection of microRNAs based on novel distinguishable quantum dot signal probes by cycle amplification strategy. Sensors and Actuators B: Chemical, 2017, 252, 1026-1034.	7.8	26
35	Quantum dots bilayers/Au@Ag-based electrochemiluminescence resonance energy transfer for detection of thrombin by autocatalytic multiple amplification strategy. Sensors and Actuators B: Chemical, 2017, 240, 857-862.	7.8	19
36	Highly intense fluorescence of novel carbon nanocrystals combined with a DNAzyme-assisted autocatalytic multiple amplification strategy for sensitive detection of thrombin. Analyst, The, 2016, 141, 2865-2869.	3.5	2

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37	Sensitive electrochemiluminescence detection of cancer cells based on a CdSe/ZnS quantum dot nanocluster by multibranched hybridization chain reaction on gold nanoparticles. RSC Advances, 2016, 6, 24780-24785.	3.6	23
38	Dual-stabilizer-capped CdSe quantum dots for â€œOffâ€“Onâ€•electrochemiluminescence biosensing of thrombin by target-triggered multiple amplification. RSC Advances, 2016, 6, 2065-2071.	3.6	15
39	Autocatalytic amplified detection of DNA based on a CdSe quantum dot/folic acid electrochemiluminescence energy transfer system. Analyst, The, 2015, 140, 79-82.	3.5	32
40	Silver nanowires-based signal amplification for CdSe quantum dots electrochemiluminescence immunoassay. Biosensors and Bioelectronics, 2015, 66, 84-88.	10.1	34
41	A novel quantum dot nanocluster as versatile probe for electrochemiluminescence and electrochemical assays of DNA and cancer cells. Biosensors and Bioelectronics, 2014, 52, 69-75.	10.1	61
42	Cell-activatable CdSe fluorescence probe for dual-targeted imaging and drug application. Analytical Methods, 2014, 6, 7154.	2.7	0
43	A Fluorescent Polymeric Quantum Dot/Aptamer Superstructure and Its Application for Imaging of Cancer Cells. Chemistry - an Asian Journal, 2014, 9, 1261-1264.	3.3	9
44	Amplified electrochemiluminescence detection of cancer cells using a new bifunctional quantum dot as signal probe. Biosensors and Bioelectronics, 2013, 50, 368-372.	10.1	33
45	Novel Magnetic Fe₃O₄@CdSe Composite Quantum Dot-Based Electrochemiluminescence Detection of Thrombin by a Multiple DNA Cycle Amplification Strategy. Analytical Chemistry, 2012, 84, 2811-2817.	6.5	129
46	Electrochemiluminescence of Dendritic Magnetic Quantum Dots Nanostructure and Its Quenching by Gold Nanoparticles for Cancer Cells Assay. Electroanalysis, 2012, 24, 1220-1225.	2.9	14
47	Quantum dots-based multifunctional dendritic superstructure for amplified electrochemiluminescence detection of ATP. Biosensors and Bioelectronics, 2012, 31, 69-76.	10.1	61
48	Versatile Electrochemiluminescence Assays for Cancer Cells Based on Dendrimer/CdSeâ€“ZnSâ€“Quantum Dot Nanoclusters. Analytical Chemistry, 2011, 83, 3873-3880.	6.5	184
49	Magnetic Electrochemiluminescent Fe₃O₄/CdSeâ€“CdS Nanoparticle/Polyelectrolyte Nanocomposite for Highly Efficient Immunosensing of a Cancer Biomarker. Chemistry - A European Journal, 2011, 17, 641-648.	3.3	82