

Jing Qian

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

4,104
citations

71102

41
h-index

114465

63
g-index

73
all docs

73
docs citations

73
times ranked

4393
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced non-enzymatic glucose sensing based on copper nanoparticles decorated nitrogen-doped graphene. <i>Biosensors and Bioelectronics</i> , 2014, 54, 273-278.	10.1	215
2	Versatile Immunosensor Using a Quantum Dot Coated Silica Nanosphere as a Label for Signal Amplification. <i>Analytical Chemistry</i> , 2010, 82, 6422-6429.	6.5	163
3	Colorimetric aptasensing of ochratoxin A using Au@Fe ₃ O ₄ nanoparticles as signal indicator and magnetic separator. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1183-1191.	10.1	159
4	Visible light photoelectrochemical sensor for ultrasensitive determination of dopamine based on synergistic effect of graphene quantum dots and TiO ₂ nanoparticles. <i>Analytica Chimica Acta</i> , 2015, 853, 258-264.	5.4	148
5	Label-free impedimetric aptasensor for detection of femtomole level acetamiprid using gold nanoparticles decorated multiwalled carbon nanotube-reduced graphene oxide nanoribbon composites. <i>Biosensors and Bioelectronics</i> , 2015, 70, 122-129.	10.1	127
6	A facile label-free colorimetric aptasensor for acetamiprid based on the peroxidase-like activity of hemin-functionalized reduced graphene oxide. <i>Biosensors and Bioelectronics</i> , 2015, 65, 39-46.	10.1	123
7	Amplified impedimetric aptasensor based on gold nanoparticles covalently bound graphene sheet for the picomolar detection of ochratoxin A. <i>Analytica Chimica Acta</i> , 2014, 806, 128-135.	5.4	115
8	Multiple signal-amplification via Ag and TiO ₂ decorated 3D nitrogen doped graphene hydrogel for fabricating sensitive label-free photoelectrochemical thrombin aptasensor. <i>Biosensors and Bioelectronics</i> , 2018, 101, 14-20.	10.1	112
9	Magneto-controlled aptasensor for simultaneous electrochemical detection of dual mycotoxins in maize using metal sulfide quantum dots coated silica as labels. <i>Biosensors and Bioelectronics</i> , 2017, 89, 802-809.	10.1	108
10	AgBr nanoparticles/3D nitrogen-doped graphene hydrogel for fabricating all-solid-state luminol-electrochemiluminescence Escherichia coli aptasensors. <i>Biosensors and Bioelectronics</i> , 2017, 97, 377-383.	10.1	105
11	Nitrogen-Doped Graphene Quantum Dots@SiO ₂ Nanoparticles as Electrochemiluminescence and Fluorescence Signal Indicators for Magnetically Controlled Aptasensor with Dual Detection Channels. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26865-26873.	8.0	104
12	A sensitive Potentiometric resolved ratiometric Photoelectrochemical aptasensor for Escherichia coli detection fabricated with non-metallic nanomaterials. <i>Biosensors and Bioelectronics</i> , 2018, 106, 57-63.	10.1	97
13	Engineering of Heterojunction-Mediated Biointerface for Photoelectrochemical Aptasensing: Case of Direct Z-Scheme CdTe-Bi ₂ S ₃ Heterojunction with Improved Visible-Light-Driven Photoelectrical Conversion Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18369-18376.	8.0	94
14	Magnetic-fluorescent-targeting multifunctional aptasensor for highly sensitive and one-step rapid detection of ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2015, 68, 783-790.	10.1	92
15	Bi-color FRET from two nano-donors to a single nano-acceptor: A universal aptasensing platform for simultaneous determination of dual targets. <i>Chemical Engineering Journal</i> , 2020, 401, 126017.	12.7	88
16	Electrochemiluminescence immunosensor for ultrasensitive detection of biomarker using Ru(bpy) ₃ ²⁺ -encapsulated silica nanosphere labels. <i>Analytica Chimica Acta</i> , 2010, 665, 32-38.	5.4	87
17	Design of a Dual Channel Self-Reference Photoelectrochemical Biosensor. <i>Analytical Chemistry</i> , 2017, 89, 10133-10136.	6.5	86
18	Fabrication of magnetically assembled aptasensing device for label-free determination of aflatoxin B1 based on EIS. <i>Biosensors and Bioelectronics</i> , 2018, 108, 69-75.	10.1	83

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19	Simultaneous detection of dual proteins using quantum dots coated silica nanoparticles as labels. <i>Biosensors and Bioelectronics</i> , 2011, 28, 314-319.	10.1	81
20	Onsite naked eye determination of cysteine and homocysteine using quencher displacement-induced fluorescence recovery of the dual-emission hybrid probes with desired intensity ratio. <i>Biosensors and Bioelectronics</i> , 2015, 65, 83-90.	10.1	79
21	One-pot synthesis of BiPO ₄ functionalized reduced graphene oxide with enhanced photoelectrochemical performance for selective and sensitive detection of chlorpyrifos. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13671-13678.	10.3	78
22	Gold nanoparticles mediated designing of versatile aptasensor for colorimetric/electrochemical dual-channel detection of aflatoxin B1. <i>Biosensors and Bioelectronics</i> , 2020, 166, 112443.	10.1	78
23	Fabricating photoelectrochemical aptasensor for selectively monitoring microcystin-LR residues in fish based on visible light-responsive BiOBr nanoflakes/N-doped graphene photoelectrode. <i>Biosensors and Bioelectronics</i> , 2016, 81, 242-248.	10.1	74
24	Magnetically controlled fluorescence aptasensor for simultaneous determination of ochratoxin A and aflatoxin B1. <i>Analytica Chimica Acta</i> , 2018, 1019, 119-127.	5.4	74
25	Ultrasensitive electrochemical aptasensor for ochratoxin A based on two-level cascaded signal amplification strategy. <i>Bioelectrochemistry</i> , 2014, 96, 7-13.	4.6	65
26	Engineered nanoparticles disguised as macrophages for trapping lipopolysaccharide and preventing endotoxemia. <i>Biomaterials</i> , 2019, 189, 60-68.	11.4	60
27	Target-driven switch-on fluorescence aptasensor for trace aflatoxin B1 determination based on highly fluorescent ternary CdZnTe quantum dots. <i>Analytica Chimica Acta</i> , 2019, 1047, 163-171.	5.4	58
28	A high-throughput homogeneous immunoassay based on Förster resonance energy transfer between quantum dots and gold nanoparticles. <i>Analytica Chimica Acta</i> , 2013, 763, 43-49.	5.4	57
29	Multiwalled carbon nanotube@reduced graphene oxide nanoribbon heterostructure: synthesis, intrinsic peroxidase-like catalytic activity, and its application in colorimetric biosensing. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1624-1632.	5.8	54
30	Graphitic Carbon Nitride Nanorods for Photoelectrochemical Sensing of Trace Copper(II) Ions. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3665-3673.	2.0	51
31	One-pot hydrothermal route to fabricate nitrogen doped graphene/Ag-TiO ₂ : Efficient charge separation, and high-performance "on-off-on" switch system based photoelectrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2016, 83, 149-155.	10.1	51
32	Building a Three-Dimensional Nano "Bio Interface for Aptasensing: An Analytical Methodology Based on Steric Hindrance Initiated Signal Amplification Effect. <i>Analytical Chemistry</i> , 2016, 88, 9622-9629.	6.5	51
33	Magnetically Separable Fe ₃ O ₄ Nanoparticles-Decorated Reduced Graphene Oxide Nanocomposite for Catalytic Wet Hydrogen Peroxide Oxidation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 907-916.	3.7	50
34	Amplified solid-state electrochemiluminescence detection of cholesterol in near-infrared range based on CdTe quantum dots decorated multiwalled carbon nanotubes@reduced graphene oxide nanoribbons. <i>Biosensors and Bioelectronics</i> , 2015, 73, 221-227.	10.1	49
35	A FRET-based ratiometric fluorescent aptasensor for rapid and onsite visual detection of ochratoxin A. <i>Analyst</i> , 2015, 140, 7434-7442.	3.5	49
36	Fluorescent "on-off-on" switching sensor based on CdTe quantum dots coupled with multiwalled carbon nanotubes@graphene oxide nanoribbons for simultaneous monitoring of dual foreign DNAs in transgenic soybean. <i>Biosensors and Bioelectronics</i> , 2017, 92, 26-32.	10.1	46

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37	Porous Gold Nanocages: High Atom Utilization for Thiolated Aptamer Immobilization to Well Balance the Simplicity, Sensitivity, and Cost of Disposable Aptasensors. <i>Analytical Chemistry</i> , 2019, 91, 8660-8666.	6.5	45
38	Preparation of graphene quantum dots based core-satellite hybrid spheres and their use as the ratiometric fluorescence probe for visual determination of mercury(II) ions. <i>Analytica Chimica Acta</i> , 2015, 888, 173-181.	5.4	44
39	A multiplexed FRET aptasensor for the simultaneous detection of mycotoxins with magnetically controlled graphene oxide/Fe ₃ O ₄ as a single energy acceptor. <i>Analyst, The</i> , 2019, 144, 6004-6010.	3.5	44
40	A disposable aptasensing device for label-free detection of fumonisin B1 by integrating PDMS film-based micro-cell and screen-printed carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 192-199.	7.8	43
41	Visible-light photocatalytic efficiencies and anti-photocorrosion behavior of CdS/graphene nanocomposites: Evaluation using methylene blue degradation. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1876-1882.	14.0	42
42	Highly sensitive impedimetric aptasensor based on covalent binding of gold nanoparticles on reduced graphene oxide with good dispersity and high density. <i>Analyst, The</i> , 2014, 139, 5587-5593.	3.5	41
43	Novel Anti-Interference Strategy for a Self-Powered Sensor: Mediator-Free and Biospecific Photocathode Interface. <i>Analytical Chemistry</i> , 2021, 93, 12690-12697.	6.5	41
44	One-pot synthesis of Cd _x Zn _{1-x} reduced graphene oxide nanocomposites with improved photoelectrochemical performance for selective determination of Cu ²⁺ . <i>RSC Advances</i> , 2013, 3, 14451.	3.6	38
45	Polyoxometalate@magnetic graphene as versatile immobilization matrix of Ru(bpy) ₃ ²⁺ for sensitive magneto-controlled electrochemiluminescence sensor and its application in biosensing. <i>Biosensors and Bioelectronics</i> , 2014, 57, 149-156.	10.1	38
46	A Multiplexed Self-Powered Dual-Photoelectrode Biosensor for Detecting Dual Analytes Based on an Electron-Transfer-Regulated Conversion Strategy. <i>Analytical Chemistry</i> , 2021, 93, 6214-6222.	6.5	38
47	Bioavailability and Bioavailable Forms of Collagen after Oral Administration to Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3752-3756.	5.2	34
48	A disposable ratiometric electrochemical aptasensor with exonuclease I-powered target recycling amplification for highly sensitive detection of aflatoxin B1. <i>Sensors and Actuators B: Chemical</i> , 2022, 355, 131238.	7.8	34
49	One-step hydrothermal synthesis of telluride molybdenum/reduced graphene oxide with Schottky barrier for fabricating label-free photoelectrochemical profenofos aptasensor. <i>Chemical Engineering Journal</i> , 2021, 407, 127213.	12.7	33
50	Reactable ionic liquid assisted preparation of porous Co ₃ O ₄ nanostructures with enhanced supercapacitive performance. <i>CrystEngComm</i> , 2014, 16, 2395.	2.6	32
51	A novel photoelectrochemical immunosensor by integration of nanobody and TiO ₂ nanotubes for sensitive detection of serum cystatin C. <i>Analytica Chimica Acta</i> , 2016, 902, 107-114.	5.4	31
52	A semiconductor quantum dot-based ratiometric electrochemical aptasensor for the selective and reliable determination of aflatoxin B1. <i>Analyst, The</i> , 2019, 144, 4772-4780.	3.5	30
53	Fabrication of l-cysteine-capped CdTe quantum dots based ratiometric fluorescence nanosensor for onsite visual determination of trace TNT explosive. <i>Analytica Chimica Acta</i> , 2016, 946, 80-87.	5.4	29
54	A novel universal colorimetric sensor for simultaneous dual target detection through DNA-directed self-assembly of graphene oxide and magnetic separation. <i>Chemical Communications</i> , 2017, 53, 7096-7099.	4.1	29

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55	A homogeneous assay for highly sensitive detection of CaMV35S promoter in transgenic soybean by Förster resonance energy transfer between nitrogen-doped graphene quantum dots and Ag nanoparticles. <i>Analytica Chimica Acta</i> , 2016, 948, 90-97.	5.4	28
56	Turning on High-Sensitive Organic Electrochemical Transistor-Based Photoelectrochemical-Type Sensor over Modulation of Fe-MOF by PEDOT. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	26
57	High-Throughput Detection of Multiple Contaminants Based on Portable Photoelectrochromic Sensor Chip. <i>Analytical Chemistry</i> , 2021, 93, 14053-14058.	6.5	23
58	Highly active metal-free peroxidase mimics based on oxygen-doped carbon nitride by promoting electron transfer capacity. <i>Chemical Communications</i> , 2020, 56, 1409-1412.	4.1	21
59	Controlling over the terminal functionalities of thiol-capped CdZnTe QDs to develop fluorescence nanosensor for selective discrimination and determination of Fe(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2020, 322, 128636.	7.8	20
60	An upgraded 2D nanosheet-based FRET biosensor: insights into avoiding background and eliminating effects of background fluctuations. <i>Chemical Communications</i> , 2022, 58, 467-470.	4.1	18
61	Enhanced electrochemiluminescence sensing platform using nitrogen-doped graphene as a novel two-dimensional mat of silver nanoparticles. <i>Talanta</i> , 2015, 132, 146-149.	5.5	15
62	Rapid Potentiometric Detection of Chemical Oxygen Demand Using a Portable Self-Powered Sensor Chip. <i>Analytical Chemistry</i> , 2021, 93, 8393-8398.	6.5	15
63	A FRET aptasensor for sensitive detection of aflatoxin B1 based on a novel donor-acceptor pair between ZnS quantum dots and Ag nanocubes. <i>Analytical Methods</i> , 2021, 13, 462-468.	2.7	14
64	Preparation of hierarchical mesoporous Co ₃ O ₄ bundle using [Bmim]TA as a multi-role starting material and its supercapacitor application. <i>Monatshefte für Chemie</i> , 2014, 145, 19-22.	1.8	8
65	2D/2D heterojunction of ZnIn ₂ S ₄ /N-doped graphene nanosheets for off-type high-performance photoelectrochemical aptasensor. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132033.	7.8	7
66	Simultaneous detection of TNOS and P35S in transgenic soybean based on magnetic bicolor fluorescent probes. <i>Talanta</i> , 2020, 212, 120764.	5.5	6
67	Region separation type bio-photoelectrode based all-solid-state self-powered aptasensor for ochratoxin A and aflatoxin B1 detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 364, 131897.	7.8	6
68	Functionalization of Nitrogen-Doped Carbon Nanotubes by 1-Pyrenebutyric Acid and Its Application for Biosensing. <i>IEEE Sensors Journal</i> , 2014, 14, 2341-2346.	4.7	4
69	A smart material built upon the photo-thermochromic effect and its use for managing indoor temperature. <i>Chemical Communications</i> , 2021, 57, 8628-8631.	4.1	4
70	Simulation design of a binding-pocket structure of natural enzymes in MOFs for enhanced catalytic activity. <i>Chemical Communications</i> , 2022, 58, 6745-6748.	4.1	4
71	Hierarchical Regulation of LaMnO ₃ Dual-Pathway Strategy for Excellent Room-Temperature Organocatalytic Oxidation Performance. <i>Inorganic Chemistry</i> , 2022, 61, 7459-7466.	4.0	4
72	Closed Bipolar Electrode Based Fluorescence Visualization Biosensor for Anti-interference Detection of T-2 toxin. <i>Chemical Communications</i> , 2021, 57, 6511-6513.	4.1	2

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73	Controlling the ligands of CdZnTe quantum dots to design a super simple ratiometric fluorescence nanosensor for silver ion detection. <i>Analyst, The</i> , 2021, 146, 5747-5755.	3.5	2