Jing Qian

List of Publications by Year in descending order

73 papers	4,104 citations	70961 41 h-index	114278 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. Biosensors and Bioelectronics, 2014, 54, 273-278.	5.3	215
2	Versatile Immunosensor Using a Quantum Dot Coated Silica Nanosphere as a Label for Signal Amplification. Analytical Chemistry, 2010, 82, 6422-6429.	3.2	163
3	Colorimetric aptasensing of ochratoxin A using Au@Fe 3 O 4 nanoparticles as signal indicator and magnetic separator. Biosensors and Bioelectronics, 2016, 77, 1183-1191.	5.3	159
4	Visible light photoelectrochemical sensor for ultrasensitive determination of dopamine based on synergistic effect of graphene quantum dots and TiO 2 nanoparticles. Analytica Chimica Acta, 2015, 853, 258-264.	2.6	148
5	Label-free impedimetric aptasensor for detection of femtomole level acetamiprid using gold nanoparticles decorated multiwalled carbon nanotube-reduced graphene oxide nanoribbon composites. Biosensors and Bioelectronics, 2015, 70, 122-129.	5.3	127
6	A facile label-free colorimetric aptasensor for acetamiprid based on the peroxidase-like activity of hemin-functionalized reduced graphene oxide. Biosensors and Bioelectronics, 2015, 65, 39-46.	5.3	123
7	Amplified impedimetric aptasensor based on gold nanoparticles covalently bound graphene sheet for the picomolar detection of ochratoxin A. Analytica Chimica Acta, 2014, 806, 128-135.	2.6	115
8	Multiple signal-amplification via Ag and TiO2 decorated 3D nitrogen doped graphene hydrogel for fabricating sensitive label-free photoelectrochemical thrombin aptasensor. Biosensors and Bioelectronics, 2018, 101, 14-20.	5.3	112
9	Magneto-controlled aptasensor for simultaneous electrochemical detection of dual mycotoxins in maize using metal sulfide quantum dots coated silica as labels. Biosensors and Bioelectronics, 2017, 89, 802-809.	5.3	108
10	AgBr nanoparticles/3D nitrogen-doped graphene hydrogel for fabricating all-solid-state luminol-electrochemiluminescence Escherichia coli aptasensors. Biosensors and Bioelectronics, 2017, 97, 377-383.	5.3	105
11	Nitrogen-Doped Graphene Quantum Dots@SiO₂ Nanoparticles as Electrochemiluminescence and Fluorescence Signal Indicators for Magnetically Controlled Aptasensor with Dual Detection Channels. ACS Applied Materials & Interfaces, 2015, 7, 26865-26873.	4.0	104
12	A sensitive Potentiometric resolved ratiometric Photoelectrochemical aptasensor for Escherichia coli detection fabricated with non-metallic nanomaterials. Biosensors and Bioelectronics, 2018, 106, 57-63.	5.3	97
13	Engineering of Heterojunction-Mediated Biointerface for Photoelectrochemical Aptasensing: Case of Direct Z-Scheme CdTe-Bi₂S₃ Heterojunction with Improved Visible-Light-Driven Photoelectrical Conversion Efficiency. ACS Applied Materials & Interfaces, 2017, 9, 18369-18376.	4.0	94
14	Magnetic-fluorescent-targeting multifunctional aptasensorfor highly sensitive and one-step rapid detection of ochratoxin A. Biosensors and Bioelectronics, 2015, 68, 783-790.	5.3	92
15	Bi-color FRET from two nano-donors to a single nano-acceptor: A universal aptasensing platform for simultaneous determination of dual targets. Chemical Engineering Journal, 2020, 401, 126017.	6.6	88
16	Electrochemiluminescence immunosensor for ultrasensitive detection of biomarker using Ru(bpy)32+-encapsulated silica nanosphere labels. Analytica Chimica Acta, 2010, 665, 32-38.	2.6	87
17	Design of a Dual Channel Self-Reference Photoelectrochemical Biosensor. Analytical Chemistry, 2017, 89, 10133-10136.	3.2	86
18	Fabrication of magnetically assembled aptasensing device for label-free determination of aflatoxin B1 based on EIS. Biosensors and Bioelectronics, 2018, 108, 69-75.	5.3	83

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19	Simultaneous detection of dual proteins using quantum dots coated silica nanoparticles as labels. Biosensors and Bioelectronics, 2011, 28, 314-319.	5.3	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. Biosensors and Bioelectronics, 2015, 65, 83-90.	5.3	79
21	One-pot synthesis of BiPO₄ functionalized reduced graphene oxide with enhanced photoelectrochemical performance for selective and sensitive detection of chlorpyrifos. Journal of Materials Chemistry A, 2015, 3, 13671-13678.	5.2	78
22	Gold nanoparticles mediated designing of versatile aptasensor for colorimetric/electrochemical dual-channel detection of aflatoxin B1. Biosensors and Bioelectronics, 2020, 166, 112443.	5.3	78
23	Fabricating photoelectrochemical aptasensor for selectively monitoring microcystin-LR residues in fish based on visible light-responsive BiOBr nanoflakes/N-doped graphene photoelectrode. Biosensors and Bioelectronics, 2016, 81, 242-248.	5.3	74
24	Magnetically controlled fluorescence aptasensor for simultaneous determination of ochratoxin A and aflatoxin B1. Analytica Chimica Acta, 2018, 1019, 119-127.	2.6	74
25	Ultrasensitive electrochemical aptasensor for ochratoxin A based on two-level cascaded signal amplification strategy. Bioelectrochemistry, 2014, 96, 7-13.	2.4	65
26	Engineered nanoparticles disguised as macrophages for trapping lipopolysaccharide and preventing endotoxemia. Biomaterials, 2019, 189, 60-68.	5.7	60
27	Target-driven switch-on fluorescence aptasensor for trace aflatoxin B1 determination based on highly fluorescent ternary CdZnTe quantum dots. Analytica Chimica Acta, 2019, 1047, 163-171.	2.6	58
28	A high-throughput homogeneous immunoassay based on FÃ¶rster resonance energy transfer between quantum dots and gold nanoparticles. Analytica Chimica Acta, 2013, 763, 43-49.	2.6	57
29	Multiwalled carbon nanotube@reduced graphene oxide nanoribbon heterostructure: synthesis, intrinsic peroxidase-like catalytic activity, and its application in colorimetric biosensing. Journal of Materials Chemistry B, 2015, 3, 1624-1632.	2.9	54
30	Graphitic Carbon Nitride Nanorods for Photoelectrochemical Sensing of Trace Copper(II) Ions. European Journal of Inorganic Chemistry, 2014, 2014, 3665-3673.	1.0	51
31	One-pot hydrothermal route to fabricate nitrogen doped graphene/Ag-TiO2: Efficient charge separation, and high-performance â€œon-off-onâ€•switch system based photoelectrochemical biosensing. Biosensors and Bioelectronics, 2016, 83, 149-155.	5.3	51
32	Building a Three-Dimensional Nanoâ€“Bio Interface for Aptasensing: An Analytical Methodology Based on Steric Hindrance Initiated Signal Amplification Effect. Analytical Chemistry, 2016, 88, 9622-9629.	3.2	51
33	Magnetically Separable Fe3O4 Nanoparticles-Decorated Reduced Graphene Oxide Nanocomposite for Catalytic Wet Hydrogen Peroxide Oxidation. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 907-916.	1.9	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. Biosensors and Bioelectronics, 2015, 73, 221-227.	5.3	49
35	A FRET-based ratiometric fluorescent aptasensor for rapid and onsite visual detection of ochratoxin A. Analyst, The, 2015, 140, 7434-7442.	1.7	49
36	Fluorescent â€œon-off-onâ€•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. Biosensors and Bioelectronics, 2017, 92, 26-32.	5.3	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. Analytical Chemistry, 2019, 91, 8660-8666.	3.2	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. Analytica Chimica Acta, 2015, 888, 173-181.	2.6	44
39	A multiplexed FRET aptasensor for the simultaneous detection of mycotoxins with magnetically controlled graphene oxide/Fe₃O₄ as a single energy acceptor. Analyst, The, 2019, 144, 6004-6010.	1.7	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. Sensors and Actuators B: Chemical, 2017, 251, 192-199.	4.0	43
41	Visible-light photocatalytic efficiencies and anti-photocorrosion behavior of CdS/graphene nanocomposites: Evaluation using methylene blue degradation. Chinese Journal of Catalysis, 2013, 34, 1876-1882.	6.9	42
42	Highly sensitive impedimetric aptasensor based on covalent binding of gold nanoparticles on reduced graphene oxide with good dispersity and high density. Analyst, The, 2014, 139, 5587-5593.	1.7	41
43	Novel Anti-Interference Strategy for a Self-Powered Sensor: Mediator-Free and Biospecific Photocathode Interface. Analytical Chemistry, 2021, 93, 12690-12697.	3.2	41
44	One-pot synthesis of CdxZn1â^'xSâ€“reduced graphene oxide nanocomposites with improved photoelectrochemical performance for selective determination of Cu2+. RSC Advances, 2013, 3, 14451.	1.7	38
45	Polyoxometalate@magnetic graphene as versatile immobilization matrix of Ru(bpy)32+ for sensitive magneto-controlled electrochemiluminescence sensor and its application in biosensing. Biosensors and Bioelectronics, 2014, 57, 149-156.	5.3	38
46	A Multiplexed Self-Powered Dual-Photoelectrode Biosensor for Detecting Dual Analytes Based on an Electron-Transfer-Regulated Conversion Strategy. Analytical Chemistry, 2021, 93, 6214-6222.	3.2	38
47	Bioavailability and Bioavailable Forms of Collagen after Oral Administration to Rats. Journal of Agricultural and Food Chemistry, 2015, 63, 3752-3756.	2.4	34
48	A disposable ratiometric electrochemical aptasensor with exonuclease I-powered target recycling amplification for highly sensitive detection of aflatoxin B1. Sensors and Actuators B: Chemical, 2022, 355, 131238.	4.0	34
49	One-step hydrothermal synthesis of telluride molybdenum/reduced graphene oxide with Schottky barrier for fabricating label-free photoelectrochemical profenofos aptasensor. Chemical Engineering Journal, 2021, 407, 127213.	6.6	33
50	Reactable ionic liquid assisted preparation of porous Co3O4 nanostructures with enhanced supercapacitive performance. CrystEngComm, 2014, 16, 2395.	1.3	32
51	A novel photoelectrochemical immunosensor by integration of nanobody and TiO 2 nanotubes for sensitive detection of serum cystatin C. Analytica Chimica Acta, 2016, 902, 107-114.	2.6	31
52	A semiconductor quantum dot-based ratiometric electrochemical aptasensor for the selective and reliable determination of aflatoxin B1. Analyst, The, 2019, 144, 4772-4780.	1.7	30
53	Fabrication of l -cysteine-capped CdTe quantum dots based ratiometric fluorescence nanosensor for onsite visual determination of trace TNT explosive. Analytica Chimica Acta, 2016, 946, 80-87.	2.6	29
54	A novel universal colorimetric sensor for simultaneous dual target detection through DNA-directed self-assembly of graphene oxide and magnetic separation. Chemical Communications, 2017, 53, 7096-7099.	2.2	29

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55	A homogeneous assay for highly sensitive detection of CaMV35S promoter in transgenic soybean by fÃ¶rster resonance energy transfer between nitrogen-doped graphene quantum dots and Ag nanoparticles. Analytica Chimica Acta, 2016, 948, 90-97.	2.6	28
56	Turning on Highâ€Sensitive Organic Electrochemical Transistorâ€Based Photoelectrochemicalâ€Type Sensor over Modulation of Feâ€MOF by PEDOT. Advanced Functional Materials, 2022, 32, .	7.8	26
57	High-Throughput Detection of Multiple Contaminants Based on Portable Photoelectrochromic Sensor Chip. Analytical Chemistry, 2021, 93, 14053-14058.	3.2	23
58	Highly active metal-free peroxidase mimics based on oxygen-doped carbon nitride by promoting electron transfer capacity. Chemical Communications, 2020, 56, 1409-1412.	2.2	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. Sensors and Actuators B: Chemical, 2020, 322, 128636.	4.0	20
60	An upgraded 2D nanosheet-based FRET biosensor: insights into avoiding background and eliminating effects of background fluctuations. Chemical Communications, 2022, 58, 467-470.	2.2	18
61	Enhanced electrochemiluminescence sensing platform using nitrogen-doped graphene as a novel two-dimensional mat of silver nanoparticles. Talanta, 2015, 132, 146-149.	2.9	15
62	Rapid Potentiometric Detection of Chemical Oxygen Demand Using a Portable Self-Powered Sensor Chip. Analytical Chemistry, 2021, 93, 8393-8398.	3.2	15
63	A FRET aptasensor for sensitive detection of aflatoxin B1 based on a novel donorâ€“acceptor pair between ZnS quantum dots and Ag nanocubes. Analytical Methods, 2021, 13, 462-468.	1.3	14
64	Preparation of hierarchical mesoporous Co3O4 bundle using [Bmim]TA as a multi-role starting material and its supercapacitor application. Monatshefte FÃ¼r Chemie, 2014, 145, 19-22.	0.9	8
65	2D/2D heterojunction of ZnIn2S4/N-doped graphene nanosheets for off-type high-performance photoelectrochemical aptasensor. Sensors and Actuators B: Chemical, 2022, 367, 132033.	4.0	7
66	Simultaneous detection of TNOS and P35S in transgenic soybean based on magnetic bicolor fluorescent probes. Talanta, 2020, 212, 120764.	2.9	6
67	Region separation type bio-photoelectrode based all-solid-state self-powered aptasensor for ochratoxin A and aflatoxin B1 detection. Sensors and Actuators B: Chemical, 2022, 364, 131897.	4.0	6
68	Functionalization of Nitrogen-Doped Carbon Nanotubes by 1-Pyrenebutyric Acid and Its Application for Biosensing. IEEE Sensors Journal, 2014, 14, 2341-2346.	2.4	4
69	A smart material built upon the photo-thermochromic effect and its use for managing indoor temperature. Chemical Communications, 2021, 57, 8628-8631.	2.2	4
70	Simulation design of a binding-pocket structure of natural enzymes in MOFs for enhanced catalytic activity. Chemical Communications, 2022, 58, 6745-6748.	2.2	4
71	Hierarchical Regulation of LaMnO₃ Dual-Pathway Strategy for Excellent Room-Temperature Organocatalytic Oxidation Performance. Inorganic Chemistry, 2022, 61, 7459-7466.	1.9	4
72	Closed Bipolar Electrode Based Fluorescence Visualization Biosensor for Anti-interference Detection of T-2 toxin. Chemical Communications, 2021, 57, 6511-6513.	2.2	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. Analyst, The, 2021, 146, 5747-5755.	1.7	2