

Jing Qian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

3,158
citations

36
h-index

55
g-index

73
ext. papers

3,595
ext. citations

8.1
avg. IF

5.34
L-index

#	Paper	IF	Citations
72	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	8.5	3
71	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	8.5	0
70	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 , 132033	8.5	1
69	An upgraded 2D nanosheet-based FRET biosensor: insights into avoiding background and eliminating effects of background fluctuations.. <i>Chemical Communications</i> , 2021 ,	5.8	4
68	High-Throughput Detection of Multiple Contaminants Based on Portable Photoelectrochromic Sensor Chip. <i>Analytical Chemistry</i> , 2021 , 93, 14053-14058	7.8	2
67	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	7.8	9
66	Rapid Potentiometric Detection of Chemical Oxygen Demand Using a Portable Self-Powered Sensor Chip. <i>Analytical Chemistry</i> , 2021 , 93, 8393-8398	7.8	3
65	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	14.7	14
64	Closed bipolar electrode based fluorescence visualization biosensor for anti-interference detection of T-2 toxin. <i>Chemical Communications</i> , 2021 , 57, 6511-6513	5.8	0
63	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	5	
62	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	3.2	4
61	Novel Anti-Interference Strategy for a Self-Powered Sensor: Mediator-Free and Biospecific Photocathode Interface. <i>Analytical Chemistry</i> , 2021 , 93, 12690-12697	7.8	7
60	A smart material built upon the photo-thermochromic effect and its use for managing indoor temperature. <i>Chemical Communications</i> , 2021 , 57, 8628-8631	5.8	2
59	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	14.7	53
58	Simultaneous detection of TNOS and P35S in transgenic soybean based on magnetic bicolor fluorescent probes. <i>Talanta</i> , 2020 , 212, 120764	6.2	3
57	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	5.8	13
56	Gold nanoparticles mediated designing of versatile aptasensor for colorimetric/electrochemical dual-channel detection of aflatoxin B1. <i>Biosensors and Bioelectronics</i> , 2020 , 166, 112443	11.8	28

55	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	8.5	12
54	A multiplexed FRET aptasensor for the simultaneous detection of mycotoxins with magnetically controlled graphene oxide/FeO as a single energy acceptor. <i>Analyst, The</i> , 2019 , 144, 6004-6010	5	25
53	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	5	20
52	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	7.8	25
51	Engineered nanoparticles disguised as macrophages for trapping lipopolysaccharide and preventing endotoxemia. <i>Biomaterials</i> , 2019 , 189, 60-68	15.6	28
50	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	6.6	29
49	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	11.8	64
48	Magnetically controlled fluorescence aptasensor for simultaneous determination of ochratoxin A and aflatoxin B1. <i>Analytica Chimica Acta</i> , 2018 , 1019, 119-127	6.6	55
47	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	11.8	61
46	Multiple signal-amplification via Ag and TiO decorated 3D nitrogen doped graphene hydrogel for fabricating sensitive label-free photoelectrochemical thrombin aptasensor. <i>Biosensors and Bioelectronics</i> , 2018 , 101, 14-20	11.8	100
45	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	11.8	39
44	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	8.5	31
43	Engineering of Heterojunction-Mediated Biointerface for Photoelectrochemical Aptasensing: Case of Direct Z-Scheme CdTe-BiS Heterojunction with Improved Visible-Light-Driven Photoelectrical Conversion Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18369-18376	9.5	79
42	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	11.8	81
41	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	5.8	27
40	Design of a Dual Channel Self-Reference Photoelectrochemical Biosensor. <i>Analytical Chemistry</i> , 2017 , 89, 10133-10136	7.8	73
39	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	11.8	85
38	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	6.6	19

37	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	6.6	29
36	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, 1183-91	11.8	122
35	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	11.8	66
34	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, 149-55	11.8	43
33	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	7.8	44
32	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	6.6	25
31	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	11.8	37
30	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, 122-9	11.8	107
29	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	11.8	83
28	Bioavailability and bioavailable forms of collagen after oral administration to rats. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 3752-6	5.7	25
27	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, 26865-73	9.5	80
26	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, 173-81	6.6	40
25	A FRET-based ratiometric fluorescent aptasensor for rapid and onsite visual detection of ochratoxin A. <i>Analyt, The</i> , 2015 , 140, 7434-42	5	41
24	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	11.8	69
23	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	6.6	122
22	Enhanced electrochemiluminescence sensing platform using nitrogen-doped graphene as a novel two-dimensional mat of silver nanoparticles. <i>Talanta</i> , 2015 , 132, 146-9	6.2	10
21	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	11.8	103
20	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	13	64

19	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	7.3	50
18	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, 128-35	6.6	108
17	Ultrasensitive electrochemical aptasensor for ochratoxin A based on two-level cascaded signal amplification strategy. <i>Bioelectrochemistry</i> , 2014 , 96, 7-13	5.6	61
16	Enhanced non-enzymatic glucose sensing based on copper nanoparticles decorated nitrogen-doped graphene. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 273-8	11.8	192
15	Reactable ionic liquid assisted preparation of porous Co ₃ O ₄ nanostructures with enhanced supercapacitive performance. <i>CrystEngComm</i> , 2014 , 16, 2395	3.3	28
14	Graphitic Carbon Nitride Nanorods for Photoelectrochemical Sensing of Trace Copper(II) Ions. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3665-3673	2.3	44
13	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, 5587-93	5	39
12	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	4
11	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	1.4	7
10	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, 149-56	11.8	30
9	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	3.2	45
8	One-pot synthesis of Cd _x Zn _{1-x} S@reduced graphene oxide nanocomposites with improved photoelectrochemical performance for selective determination of Cu ²⁺ . <i>RSC Advances</i> , 2013 , 3, 14451	3.7	34
7	A high-throughput homogeneous immunoassay based on Förster resonance energy transfer between quantum dots and gold nanoparticles. <i>Analytica Chimica Acta</i> , 2013 , 763, 43-9	6.6	52
6	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	11.3	37
5	Simultaneous detection of dual proteins using quantum dots coated silica nanoparticles as labels. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 314-9	11.8	81
4	Versatile immunosensor using a quantum dot coated silica nanosphere as a label for signal amplification. <i>Analytical Chemistry</i> , 2010 , 82, 6422-9	7.8	154
3	Electrochemiluminescence immunosensor for ultrasensitive detection of biomarker using Ru(bpy) ₃ (2+)-encapsulated silica nanosphere labels. <i>Analytica Chimica Acta</i> , 2010 , 665, 32-8	6.6	78
2	Turning on High-Sensitive Organic Electrochemical Transistor-Based Photoelectrochemical-Type Sensor over Modulation of Fe-MOF by PEDOT. <i>Advanced Functional Materials</i> , 2010 , 20, 2735	15.6	5

- 1 Simulation design of natural enzyme binding pocket structure in MOFs for enhanced catalytic activity. *Chemical Communications*,

5.8