

Zhihe Qing

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.

73
papers

3,322
citations

31
h-index

57
g-index

78
ext. papers

3,847
ext. citations

8.1
avg, IF

5.37
L-index

#	Paper	IF	Citations
73	A persistent luminescent nanobeacon for practical detection of lead ions via avoiding background interference.. <i>Analytica Chimica Acta</i> , 2022 , 1198, 339555	6.6	0
72	Bidirectional modulation of microRNA with a clamp-like triplex switch for enhanced and programmed gene therapy. <i>Chemical Communications</i> , 2021 , 57, 12131-12134	5.8	
71	An Activatable Nanoenzyme Reactor for Coenhanced Chemodynamic and Starving Therapy Against Tumor Hypoxia and Antioxidant Defense System. <i>CCS Chemistry</i> , 2021 , 3, 1217-1230	7.2	11
70	Adsorption-improved MoSe nanosheet by heteroatom doping and its application for simultaneous detection and removal of mercury (II). <i>Journal of Hazardous Materials</i> , 2021 , 413, 125470	12.8	24
69	DNA-coded metal nano-fluorophores: Preparation, properties and applications in biosensing and bioimaging. <i>Nano Today</i> , 2021 , 36, 101021	17.9	13
68	Target-triggered hairpin-free chain-branching growth of DNA dendrimers for contrast-enhanced imaging in living cells by avoiding signal dispersion. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	5
67	A Glucose-Powered Activatable Nanozyme Breaking pH and H ₂ O ₂ Limitations for Treating Diabetic Infections. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23534-23539	16.4	22
66	Zn-Coordination-Driven RNA Assembly with Retained Integrity and Biological Functions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22970-22976	16.4	4
65	Zn ²⁺ -Coordination-Driven RNA Assembly with Retained Integrity and Biological Functions. <i>Angewandte Chemie</i> , 2021 , 133, 23152	3.6	
64	Self-Immolative Dye-Doped Polymeric Probe for Precisely Imaging Hydroxyl Radicals by Avoiding Leakage. <i>Analytical Chemistry</i> , 2021 , 93, 12944-12953	7.8	0
63	A Glucose-Powered Activatable Nanozyme Breaking pH and H ₂ O ₂ Limitations for Treating Diabetic Infections. <i>Angewandte Chemie</i> , 2021 , 133, 23726	3.6	0
62	Pt-S Bond-Mediated Nanoflakes for High-Fidelity Intracellular Applications by Avoiding Thiol Cleavage. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14044-14048	16.4	34
61	Pt-B Bond-Mediated Nanoflakes for High-Fidelity Intracellular Applications by Avoiding Thiol Cleavage. <i>Angewandte Chemie</i> , 2020 , 132, 14148-14152	3.6	2
60	Photoactivatable fluorescent probes for spatiotemporal-controlled biosensing and imaging. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 125, 115811	14.6	22
59	Human Serum Albumin-Occupying-Based Fluorescence Turn-On Analysis of Antiepileptic Drug Tiagabine Hydrochloride. <i>Analytical Chemistry</i> , 2020 , 92, 3555-3562	7.8	7
58	Al centre-powered graphitic nanozyme with high catalytic efficiency for pH-independent chemodynamic therapy of cancer. <i>Chemical Communications</i> , 2020 , 56, 6285-6288	5.8	13
57	Human serum albumin as an intrinsic signal amplification amplifier for ultrasensitive assays of the prostate-specific antigen in human plasma. <i>Chemical Communications</i> , 2020 , 56, 1843-1846	5.8	10

56	Graphene biosensors for bacterial and viral pathogens. <i>Biosensors and Bioelectronics</i> , 2020 , 166, 112471	11.8	55
55	Thiol-suppressed I-etching of AuNRs: acetylcholinesterase-mediated colorimetric detection of organophosphorus pesticides. <i>Mikrochimica Acta</i> , 2020 , 187, 497	5.8	9
54	Visualization of Long Noncoding RNA MEG3 in Living Cells by a Triple-Helix-Powered 3D Catcher.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2588-2596	4.1	1
53	Recent progress in copper nanocluster-based fluorescent probing: a review. <i>Mikrochimica Acta</i> , 2019 , 186, 670	5.8	59
52	In Situ Amplification-Based Imaging of RNA in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11574-11585	16.4	108
51	MIL/Aptamer as a Nanosensor Capable of Resisting Nonspecific Displacement for ATP Imaging in Living Cells. <i>ACS Omega</i> , 2019 , 4, 9074-9080	3.9	9
50	Real-Time Visualizing Mitophagy-Specific Viscosity Dynamic by Mitochondria-Anchored Molecular Rotor. <i>Analytical Chemistry</i> , 2019 , 91, 8574-8581	7.8	44
49	Cell-Surface-Anchored Ratiometric DNA Nanoswitch for Extracellular ATP Imaging. <i>ACS Sensors</i> , 2019 ,	9.2	23
48	Progress in biosensor based on DNA-templated copper nanoparticles. <i>Biosensors and Bioelectronics</i> , 2019 , 137, 96-109	11.8	49
47	In Situ Amplification-Based Imaging of RNA in Living Cells. <i>Angewandte Chemie</i> , 2019 , 131, 11698-11709	3.6	30
46	Synchronous screening of multiplexed biomarkers of Alzheimer's disease by a length-encoded aerolysin nanopore-integrated triple-helix molecular switch. <i>Chemical Communications</i> , 2019 , 55, 6433-6436	5.8	16
45	Colorimetric aminotriazole assay based on catalase deactivation-dependent longitudinal etching of gold nanorods. <i>Mikrochimica Acta</i> , 2019 , 186, 565	5.8	8
44	Cytoplasmic Protein-Powered In Situ Fluorescence Amplification for Intracellular Assay of Low-Abundance Analyte. <i>Analytical Chemistry</i> , 2019 , 91, 15179-15186	7.8	8
43	An intramolecular catalytic hairpin assembly on a DNA tetrahedron for mRNA imaging in living cells: improving reaction kinetics and signal stability. <i>Chemical Science</i> , 2019 , 11, 1985-1990	9.4	76
42	DNA-Templated Fluorescent Nanoclusters for Metal Ions Detection. <i>Molecules</i> , 2019 , 24,	4.8	11
41	Natural Peptide Probe Screened for High-Performance Fluorescent Sensing of Copper Ion: Especially Sensitivity, Rapidity, and Environment-Friendliness. <i>ACS Omega</i> , 2019 , 4, 793-800	3.9	6
40	Molecular Engineering of β -Substituted Acrylate Ester Template for Efficient Fluorescence Probe of Hydrogen Polysulfides. <i>Analytical Chemistry</i> , 2018 , 90, 881-887	7.8	31
39	A dsDNA-lighted fluorophore for monitoring protein-ligand interaction through binding-mediated DNA protection. <i>Science China Chemistry</i> , 2018 , 61, 1630-1636	7.9	4

38	A Ratiometric Two-Photon Fluorescent Cysteine Probe with Well-Resolved Dual Emissions Based on Intramolecular Charge Transfer-Mediated Two-Photon-FRET Integration Mechanism. <i>ACS Sensors</i> , 2018 , 3, 2415-2422	9.2	63
37	Ratiometric Visualization of NO/HS Cross-Talk in Living Cells and Tissues Using a Nitroxyl-Responsive Two-Photon Fluorescence Probe. <i>Analytical Chemistry</i> , 2017 , 89, 4587-4594	7.8	75
36	A Target-Lighted dsDNA-Indicator for High-Performance Monitoring of Mercury Pollution and Its Antagonists Screening. <i>Environmental Science & Technology</i> , 2017 , 51, 11884-11890	10.3	14
35	Direct Detection of Nucleic Acid with Minimizing Background and Improving Sensitivity Based on a Conformation-Discriminating Indicator. <i>ACS Sensors</i> , 2017 , 2, 1198-1204	9.2	14
34	Technologies for analysis of circulating tumour DNA: Progress and promise. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 97, 36-49	14.6	16
33	Direct Fluorescent Detection of Blood Potassium by Ion-Selective Formation of Intermolecular G-Quadruplex and Ligand Binding. <i>Analytical Chemistry</i> , 2016 , 88, 9285-92	7.8	54
32	Oligonucleotide-templated rapid formation of fluorescent gold nanoclusters and its application for Hg ions sensing. <i>Talanta</i> , 2016 , 161, 170-176	6.2	19
31	A Reversible Nanolamp for Instantaneous Monitoring of Cyanide Based on an Elsner-Like Reaction. <i>Analytical Chemistry</i> , 2016 , 88, 9759-9765	7.8	24
30	A TP-FRET-based two-photon fluorescent probe for ratiometric visualization of endogenous sulfur dioxide derivatives in mitochondria of living cells and tissues. <i>Chemical Communications</i> , 2016 , 52, 10289-92	5.8	97
29	Quantitative Monitoring of Hypoxia-Induced Intracellular Acidification in Lung Tumor Cells and Tissues Using Activatable Surface-Enhanced Raman Scattering Nanoprobes. <i>Analytical Chemistry</i> , 2016 , 88, 11852-11859	7.8	26
28	In situ formation of fluorescent copper nanoparticles for ultrafast zero-background Cu ²⁺ detection and its toxicides screening. <i>Biosensors and Bioelectronics</i> , 2016 , 78, 471-476	11.8	72
27	In Vivo Lighted Fluorescence via Fenton Reaction: Approach for Imaging of Hydrogen Peroxide in Living Systems. <i>Analytical Chemistry</i> , 2016 , 88, 3998-4003	7.8	30
26	SERS assay of telomerase activity at single-cell level and colon cancer tissues via quadratic signal amplification. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 673-80	11.8	45
25	Detection of Circulating Tumor DNA in Human Blood via DNA-Mediated Surface-Enhanced Raman Spectroscopy of Single-Walled Carbon Nanotubes. <i>Analytical Chemistry</i> , 2016 , 88, 4759-65	7.8	78
24	Target-Activated Modulation of Dual-Color and Two-Photon Fluorescence of Graphene Quantum Dots for in Vivo Imaging of Hydrogen Peroxide. <i>Analytical Chemistry</i> , 2016 , 88, 4833-40	7.8	61
23	SERS monitoring the dynamics of local pH in lysosome of living cells during photothermal therapy. <i>Analyst, The</i> , 2016 , 141, 3224-7	5	25
22	Visual Biopsy by Hydrogen Peroxide-Induced Signal Amplification. <i>Analytical Chemistry</i> , 2016 , 88, 10728-10735	10.7	13
21	Poly(thymine)-Templated Copper Nanoparticles as a Fluorescent Indicator for Hydrogen Peroxide and Oxidase-Based Biosensing. <i>Analytical Chemistry</i> , 2015 , 87, 7454-60	7.8	94

20	Programmed packaging of mesoporous silica nanocarriers for matrix metalloprotease 2-triggered tumor targeting and release. <i>Biomaterials</i> , 2015 , 58, 35-45	15.6	72
19	DNA-templated in situ growth of silver nanoparticles on mesoporous silica nanospheres for smart intracellular GSH-controlled release. <i>Chemical Communications</i> , 2015 , 51, 6544-7	5.8	23
18	Two-Photon Sensing and Imaging of Endogenous Biological Cyanide in Plant Tissues Using Graphene Quantum Dot/Gold Nanoparticle Conjugate. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19509-15	9.5	47
17	A sensitive detection of T4 polynucleotide kinase activity based on β -cyclodextrin polymer enhanced fluorescence combined with an exonuclease reaction. <i>Chemical Communications</i> , 2015 , 51, 1815-8	5.8	38
16	Target-catalyzed dynamic assembly-based pyrene excimer switching for enzyme-free nucleic acid amplified detection. <i>Analytical Chemistry</i> , 2014 , 86, 4934-9	7.8	72
15	Visual and portable strategy for copper(II) detection based on a striplike poly(thymine)-caged and microwell-printed hydrogel. <i>Analytical Chemistry</i> , 2014 , 86, 11263-8	7.8	65
14	dsDNA-specific fluorescent copper nanoparticles as a "green" nano-dye for polymerization-mediated biochemical analysis. <i>Chemical Communications</i> , 2014 , 50, 12746-8	5.8	57
13	Concatemeric dsDNA-templated copper nanoparticles strategy with improved sensitivity and stability based on rolling circle replication and its application in microRNA detection. <i>Analytical Chemistry</i> , 2014 , 86, 6976-82	7.8	119
12	Ligation-rolling circle amplification combined with β -cyclodextrin mediated stemless molecular beacon for sensitive and specific genotyping of single-nucleotide polymorphism. <i>Talanta</i> , 2014 , 125, 306-12	6.2	15
11	dsDNA-templated fluorescent copper nanoparticles: poly(AT-TA)-dependent formation. <i>RSC Advances</i> , 2014 , 4, 61092-61095	3.7	47
10	Poly(thymine)-templated selective formation of fluorescent copper nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9719-22	16.4	241
9	Poly(thymine)-templated fluorescent copper nanoparticles for ultrasensitive label-free nuclease assay and its inhibitors screening. <i>Analytical Chemistry</i> , 2013 , 85, 12138-43	7.8	110
8	Poly(thymine)-Templated Selective Formation of Fluorescent Copper Nanoparticles. <i>Angewandte Chemie</i> , 2013 , 125, 9901-9904	3.6	22
7	Natural gelatin capped mesoporous silica nanoparticles for intracellular acid-triggered drug delivery. <i>Langmuir</i> , 2013 , 29, 12804-10	4	83
6	Colorimetric multiplexed analysis of mercury and silver ions by using a unimolecular DNA probe and unmodified gold nanoparticles. <i>Analytical Methods</i> , 2012 , 4, 3320	3.2	29
5	Engineering a unimolecular multifunctional DNA probe for analysis of Hg ²⁺ and Ag ⁺ . <i>Analytical Methods</i> , 2012 , 4, 345	3.2	17
4	A highly sensitive electrochemical assay for silver ion detection based on un-labeled C-rich ssDNA probe and controlled assembly of MWCNTs. <i>Talanta</i> , 2012 , 94, 178-83	6.2	48
3	One-step engineering of silver nanoclusters-aptamer assemblies as luminescent labels to target tumor cells. <i>Nanoscale</i> , 2012 , 4, 110-2	7.7	118

- 2 Activatable aptamer probe for contrast-enhanced in vivo cancer imaging based on cell membrane protein-triggered conformation alteration. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 3900-5 11.5 251
- 1 Ultrasmall near-infrared gold nanoclusters for tumor fluorescence imaging in vivo. *Nanoscale*, **2010**, 2, 2244-9 7.7 313