

# Zhihe Qing

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5395646/zhihe-qing-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Ultrasmall near-infrared gold nanoclusters for tumor fluorescence imaging in vivo. <i>Nanoscale</i> , <b>2010</b> , 2, 2244-9	7.7	313
72	Activatable aptamer probe for contrast-enhanced in vivo cancer imaging based on cell membrane protein-triggered conformation alteration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 3900-5	11.5	251
71	Poly(thymine)-templated selective formation of fluorescent copper nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9719-22	16.4	241
70	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> , <b>2014</b> , 86, 6976-82	7.8	119
69	One-step engineering of silver nanoclusters-aptamer assemblies as luminescent labels to target tumor cells. <i>Nanoscale</i> , <b>2012</b> , 4, 110-2	7.7	118
68	Poly(thymine)-templated fluorescent copper nanoparticles for ultrasensitive label-free nuclease assay and its inhibitors screening. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 12138-43	7.8	110
67	In Situ Amplification-Based Imaging of RNA in Living Cells. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11574-11585	16.4	108
66	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> , <b>2016</b> , 52, 10289-92	5.8	97
65	Poly(thymine)-Templated Copper Nanoparticles as a Fluorescent Indicator for Hydrogen Peroxide and Oxidase-Based Biosensing. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7454-60	7.8	94
64	Natural gelatin capped mesoporous silica nanoparticles for intracellular acid-triggered drug delivery. <i>Langmuir</i> , <b>2013</b> , 29, 12804-10	4	83
63	Detection of Circulating Tumor DNA in Human Blood via DNA-Mediated Surface-Enhanced Raman Spectroscopy of Single-Walled Carbon Nanotubes. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 4759-65	7.8	78
62	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> , <b>2019</b> , 11, 1985-1990	9.4	76
61	Ratiometric Visualization of NO/HS Cross-Talk in Living Cells and Tissues Using a Nitroxyl-Responsive Two-Photon Fluorescence Probe. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 4587-4594	7.8	75
60	Programmed packaging of mesoporous silica nanocarriers for matrix metalloprotease 2-triggered tumor targeting and release. <i>Biomaterials</i> , <b>2015</b> , 58, 35-45	15.6	72
59	In situ formation of fluorescent copper nanoparticles for ultrafast zero-background Cu <sup>2+</sup> detection and its toxicides screening. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 78, 471-476	11.8	72
58	Target-catalyzed dynamic assembly-based pyrene excimer switching for enzyme-free nucleic acid amplified detection. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4934-9	7.8	72
57	Visual and portable strategy for copper(II) detection based on a striplike poly(thymine)-caged and microwell-printed hydrogel. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 11263-8	7.8	65

56	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> , <b>2018</b> , 3, 2415-2422	9.2	63
55	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> , <b>2016</b> , 88, 4833-40	7.8	61
54	Recent progress in copper nanocluster-based fluorescent probing: a review. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 670	5.8	59
53	dsDNA-specific fluorescent copper nanoparticles as a "green" nano-dye for polymerization-mediated biochemical analysis. <i>Chemical Communications</i> , <b>2014</b> , 50, 12746-8	5.8	57
52	Graphene biosensors for bacterial and viral pathogens. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 166, 112471	11.8	55
51	Direct Fluorescent Detection of Blood Potassium by Ion-Selective Formation of Intermolecular G-Quadruplex and Ligand Binding. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9285-92	7.8	54
50	Progress in biosensor based on DNA-templated copper nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 137, 96-109	11.8	49
49	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> , <b>2012</b> , 94, 178-83	6.2	48
48	Two-Photon Sensing and Imaging of Endogenous Biological Cyanide in Plant Tissues Using Graphene Quantum Dot/Gold Nanoparticle Conjugate. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19509-15	9.5	47
47	dsDNA-templated fluorescent copper nanoparticles: poly(AT-TA)-dependent formation. <i>RSC Advances</i> , <b>2014</b> , 4, 61092-61095	3.7	47
46	SERS assay of telomerase activity at single-cell level and colon cancer tissues via quadratic signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 673-80	11.8	45
45	Real-Time Visualizing Mitophagy-Specific Viscosity Dynamic by Mitochondria-Anchored Molecular Rotor. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 8574-8581	7.8	44
44	A sensitive detection of T4 polynucleotide kinase activity based on $\beta$ -cyclodextrin polymer enhanced fluorescence combined with an exonuclease reaction. <i>Chemical Communications</i> , <b>2015</b> , 51, 1815-8	5.8	38
43	Pt-S Bond-Mediated Nanoflares for High-Fidelity Intracellular Applications by Avoiding Thiol Cleavage. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14044-14048	16.4	34
42	Molecular Engineering of $\beta$ -Substituted Acrylate Ester Template for Efficient Fluorescence Probe of Hydrogen Polysulfides. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 881-887	7.8	31
41	In Situ Amplification-Based Imaging of RNA in Living Cells. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11698-11709	3.6	30
40	In Vivo Lighted Fluorescence via Fenton Reaction: Approach for Imaging of Hydrogen Peroxide in Living Systems. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 3998-4003	7.8	30
39	Colorimetric multiplexed analysis of mercury and silver ions by using a unimolecular DNA probe and unmodified gold nanoparticles. <i>Analytical Methods</i> , <b>2012</b> , 4, 3320	3.2	29

38	Quantitative Monitoring of Hypoxia-Induced Intracellular Acidification in Lung Tumor Cells and Tissues Using Activatable Surface-Enhanced Raman Scattering Nanoprobes. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 11852-11859	7.8	26
37	SERS monitoring the dynamics of local pH in lysosome of living cells during photothermal therapy. <i>Analyst, The</i> , <b>2016</b> , 141, 3224-7	5	25
36	A Reversible Nanolamp for Instantaneous Monitoring of Cyanide Based on an Elsner-Like Reaction. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9759-9765	7.8	24
35	Adsorption-improved MoSe nanosheet by heteroatom doping and its application for simultaneous detection and removal of mercury (II). <i>Journal of Hazardous Materials</i> , <b>2021</b> , 413, 125470	12.8	24
34	Cell-Surface-Anchored Ratiometric DNA Nanoswitch for Extracellular ATP Imaging. <i>ACS Sensors</i> , <b>2019</b> ,	9.2	23
33	DNA-templated in situ growth of silver nanoparticles on mesoporous silica nanospheres for smart intracellular GSH-controlled release. <i>Chemical Communications</i> , <b>2015</b> , 51, 6544-7	5.8	23
32	Photoactivatable fluorescent probes for spatiotemporal-controlled biosensing and imaging. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 125, 115811	14.6	22
31	Poly(thymine)-Templated Selective Formation of Fluorescent Copper Nanoparticles. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 9901-9904	3.6	22
30	A Glucose-Powered Activatable Nanozyme Breaking pH and H <sub>2</sub> O Limitations for Treating Diabetic Infections. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23534-23539	16.4	22
29	Oligonucleotide-templated rapid formation of fluorescent gold nanoclusters and its application for Hg ions sensing. <i>Talanta</i> , <b>2016</b> , 161, 170-176	6.2	19
28	Engineering a unimolecular multifunctional DNA probe for analysis of Hg <sup>2+</sup> and Ag <sup>+</sup> . <i>Analytical Methods</i> , <b>2012</b> , 4, 345	3.2	17
27	Synchronous screening of multiplexed biomarkers of Alzheimer's disease by a length-encoded aerolysin nanopore-integrated triple-helix molecular switch. <i>Chemical Communications</i> , <b>2019</b> , 55, 6433-6436	5.8	16
26	Technologies for analysis of circulating tumour DNA: Progress and promise. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 97, 36-49	14.6	16
25	Ligation-rolling circle amplification combined with $\beta$ -cyclodextrin mediated stemless molecular beacon for sensitive and specific genotyping of single-nucleotide polymorphism. <i>Talanta</i> , <b>2014</b> , 125, 306-12	6.2	15
24	A Target-Lighted dsDNA-Indicator for High-Performance Monitoring of Mercury Pollution and Its Antagonists Screening. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11884-11890	10.3	14
23	Direct Detection of Nucleic Acid with Minimizing Background and Improving Sensitivity Based on a Conformation-Discriminating Indicator. <i>ACS Sensors</i> , <b>2017</b> , 2, 1198-1204	9.2	14
22	Al centre-powered graphitic nanozyme with high catalytic efficiency for pH-independent chemodynamic therapy of cancer. <i>Chemical Communications</i> , <b>2020</b> , 56, 6285-6288	5.8	13
21	Visual Biopsy by Hydrogen Peroxide-Induced Signal Amplification. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 10728-10735	7.8	13

20	DNA-coded metal nano-fluorophores: Preparation, properties and applications in biosensing and bioimaging. <i>Nano Today</i> , <b>2021</b> , 36, 101021	17.9	13
19	An Activatable Nanoenzyme Reactor for Coenhanced Chemodynamic and Starving Therapy Against Tumor Hypoxia and Antioxidant Defense System. <i>CCS Chemistry</i> , <b>2021</b> , 3, 1217-1230	7.2	11
18	DNA-Templated Fluorescent Nanoclusters for Metal Ions Detection. <i>Molecules</i> , <b>2019</b> , 24,	4.8	11
17	Human serum albumin as an intrinsic signal amplification amplifier for ultrasensitive assays of the prostate-specific antigen in human plasma. <i>Chemical Communications</i> , <b>2020</b> , 56, 1843-1846	5.8	10
16	MIL/Aptamer as a Nanosensor Capable of Resisting Nonspecific Displacement for ATP Imaging in Living Cells. <i>ACS Omega</i> , <b>2019</b> , 4, 9074-9080	3.9	9
15	Thiol-suppressed I-etching of AuNRs: acetylcholinesterase-mediated colorimetric detection of organophosphorus pesticides. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 497	5.8	9
14	Colorimetric aminotriazole assay based on catalase deactivation-dependent longitudinal etching of gold nanorods. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 565	5.8	8
13	Cytoplasmic Protein-Powered In Situ Fluorescence Amplification for Intracellular Assay of Low-Abundance Analyte. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 15179-15186	7.8	8
12	Human Serum Albumin-Occupying-Based Fluorescence Turn-On Analysis of Antiepileptic Drug Tiagabine Hydrochloride. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 3555-3562	7.8	7
11	Natural Peptide Probe Screened for High-Performance Fluorescent Sensing of Copper Ion: Especially Sensitivity, Rapidity, and Environment-Friendliness. <i>ACS Omega</i> , <b>2019</b> , 4, 793-800	3.9	6
10	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> , <b>2021</b> ,	8.1	5
9	A dsDNA-lighted fluorophore for monitoring protein-ligand interaction through binding-mediated DNA protection. <i>Science China Chemistry</i> , <b>2018</b> , 61, 1630-1636	7.9	4
8	Zn -Coordination-Driven RNA Assembly with Retained Integrity and Biological Functions. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 22970-22976	16.4	4
7	Pt <sup>II</sup> Bond-Mediated Nanoflares for High-Fidelity Intracellular Applications by Avoiding Thiol Cleavage. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14148-14152	3.6	2
6	Visualization of Long Noncoding RNA MEG3 in Living Cells by a Triple-Helix-Powered 3D Catcher.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 2588-2596	4.1	1
5	A persistent luminescent nanobeacon for practical detection of lead ions via avoiding background interference.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1198, 339555	6.6	0
4	Self-Immolative Dye-Doped Polymeric Probe for Precisely Imaging Hydroxyl Radicals by Avoiding Leakage. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 12944-12953	7.8	0
3	A Glucose-Powered Activatable Nanozyme Breaking pH and H <sub>2</sub> O <sub>2</sub> Limitations for Treating Diabetic Infections. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23726	3.6	0

- 2 Bidirectional modulation of microRNA with a clamp-like triplex switch for enhanced and programmed gene therapy. *Chemical Communications*, **2021**, 57, 12131-12134 5.8
- 1 Zn<sup>2+</sup>-Coordination-Driven RNA Assembly with Retained Integrity and Biological Functions. *Angewandte Chemie*, **2021**, 133, 23152 3.6