

# Zhi-Qian Guo

## List of Publications by Year in descending order

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109  
papers

11,634  
citations

32410

55  
h-index

30277

107  
g-index

118  
all docs

118  
docs citations

118  
times ranked

11686  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence-Activated Fluorescent Nanotheranostics for Real-Time Profiling Pancreatic Cancer. <i>Jacs Au</i> , 2022, 2, 246-257.	3.6	8
2	Water-soluble bright NIR AIEgens with hybrid ROS for wash-free mitochondrial "off-on" imaging and photodynamic therapy. <i>Chemical Communications</i> , 2022, 58, 6393-6396.	2.2	9
3	"Crossbreeding" Small-Molecular Weight NIR-II Flavchromenes Endows Activatable Multiplexed In Vivo Imaging. , 2022, 4, 1493-1502.		9
4	Rational Design of Near-Infrared Cyanine-Based Fluorescent Probes for Rapid In Vivo Sensing Cysteine. <i>ACS Applied Bio Materials</i> , 2021, 4, 2001-2008.	2.3	27
5	Recent progress on molecularly near-infrared fluorescent probes for chemotherapy and phototherapy. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213556.	9.5	120
6	Harnessing Î±-fucosidase for in vivo cellular senescence imaging. <i>Chemical Science</i> , 2021, 12, 10054-10062.	3.7	25
7	Engineering molecular self-assembly of theranostic nanoprobe for dual-modal imaging-guided precise chemotherapy. <i>Science China Chemistry</i> , 2021, 64, 2045-2052.	4.2	10
8	Harnessing Hypoxia-Dependent Cyanine Photocages for In Vivo Precision Drug Release. <i>Angewandte Chemie</i> , 2021, 133, 9639-9647.	1.6	3
9	Harnessing Hypoxia-Dependent Cyanine Photocages for In Vivo Precision Drug Release. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9553-9561.	7.2	28
10	Tracking Ultrafast Structural Dynamics in a Dual-Emission Anti-Kasha-Active Fluorophore Using Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4466-4473.	2.1	12
11	A turn-on fluorescent probe based on Î±-extended coumarin for imaging endogenous hydrogen peroxide in RAW 264.7 cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 414, 113270.	2.0	18
12	Engineering Nanoparticulate Organic Photocatalysts via a Scalable Flash Nanoprecipitation Process for Efficient Hydrogen Production. <i>Angewandte Chemie</i> , 2021, 133, 15718-15725.	1.6	1
13	Fluorescence upconversion enables light-up sensing of N-acetyltransferases and nerve agents. <i>Nature Communications</i> , 2021, 12, 3869.	5.8	51
14	Engineering Nanoparticulate Organic Photocatalysts via a Scalable Flash Nanoprecipitation Process for Efficient Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15590-15597.	7.2	29
15	NAD <sup>+</sup> supplement potentiates tumor-killing function by rescuing defective TUB-mediated NAMPT transcription in tumor-infiltrated T cells. <i>Cell Reports</i> , 2021, 36, 109516.	2.9	50
16	Circularly Polarized Fluorescence Resonance Energy Transfer (C-FRET) for Efficient Chirality Transmission within an Intermolecular System. <i>Angewandte Chemie</i> , 2021, 133, 24754-24762.	1.6	17
17	Circularly Polarized Fluorescence Resonance Energy Transfer (C-FRET) for Efficient Chirality Transmission within an Intermolecular System. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24549-24557.	7.2	72
18	Engineering photo-controllable fragrance release with flash nanoprecipitation. <i>Green Chemical Engineering</i> , 2021, 2, 301-308.	3.3	6

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19	Enzyme-activatable fluorescent probes for $\beta$ -galactosidase: from design to biological applications. <i>Chemical Science</i> , 2021, 12, 9885-9894.	3.7	60
20	High-Performance Quinoline-Malononitrile Core as a Building Block for the Diversity-Oriented Synthesis of AIEgens. <i>Angewandte Chemie</i> , 2020, 132, 9896-9909.	1.6	15
21	Rational Design of Ratiometric Near-Infrared Aza-BODIPY-Based Fluorescent Probe for <i>in Vivo</i> Imaging of Endogenous Hydrogen Peroxide. <i>ACS Applied Bio Materials</i> , 2020, 3, 45-52.	2.3	42
22	High-Performance Quinoline-Malononitrile Core as a Building Block for the Diversity-Oriented Synthesis of AIEgens. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9812-9825.	7.2	134
23	Spatio-Temporally Reporting Dose-Dependent Chemotherapy via Uniting Dual-Modal MRI/NIR Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21143-21150.	7.2	51
24	Spatio-Temporally Reporting Dose-Dependent Chemotherapy via Uniting Dual-Modal MRI/NIR Imaging. <i>Angewandte Chemie</i> , 2020, 132, 21329-21336.	1.6	6
25	De novo strategy with engineering anti-Kasha/Kasha fluorophores enables reliable ratiometric quantification of biomolecules. <i>Nature Communications</i> , 2020, 11, 793.	5.8	74
26	<i>In vivo</i> real-time tracking of tumor-specific biocatalysis in cascade nanotheranostics enables synergistic cancer treatment. <i>Chemical Science</i> , 2020, 11, 3371-3377.	3.7	17
27	A Sequential Dual-Lock Strategy for Photoactivatable Chemiluminescent Probes Enabling Bright Duplex Optical Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9059-9066.	7.2	92
28	A Sequential Dual-Lock Strategy for Photoactivatable Chemiluminescent Probes Enabling Bright Duplex Optical Imaging. <i>Angewandte Chemie</i> , 2020, 132, 9144-9151.	1.6	20
29	A fast-response and highly specific Si-Rhodamine probe for endogenous peroxynitrite detection in living cells. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1875-1880.	1.5	13
30	AND-Logic Based Fluorescent Probe for Selective Detection of Lysosomal Bisulfite in Living Cells. <i>Analytical Chemistry</i> , 2019, 91, 11946-11951.	3.2	58
31	Photocontrollable Release with Coumarin-Based Profragrances. <i>ACS Applied Bio Materials</i> , 2019, 2, 4002-4009.	2.3	16
32	Molecularly near-infrared fluorescent theranostics for <i>in vivo</i> tracking tumor-specific chemotherapy. <i>Chinese Chemical Letters</i> , 2019, 30, 1849-1855.	4.8	59
33	Saponin-Based Near-Infrared Nanoparticles with Aggregation-Induced Emission Behavior: Enhancing Cell Compatibility and Permeability. <i>ACS Applied Bio Materials</i> , 2019, 2, 943-951.	2.3	20
34	An enzyme-activatable probe liberating AIEgens: on-site sensing and long-term tracking of $\beta$ -galactosidase in ovarian cancer cells. <i>Chemical Science</i> , 2019, 10, 398-405.	3.7	146
35	Activatable near-infrared emission-guided on-demand administration of photodynamic anticancer therapy with a theranostic nanoprobe. <i>Chemical Science</i> , 2019, 10, 2785-2790.	3.7	75
36	Nanomized tumor-microenvironment-active NIR fluorescent prodrug for ensuring synchronous occurrences of drug release and fluorescence tracing. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1503-1509.	2.9	18

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37	Near-Infrared Aggregation-Induced Emission-Active Probe Enables in situ and Long-Term Tracking of Endogenous $\beta$ -Galactosidase Activity. <i>Frontiers in Chemistry</i> , 2019, 7, 291.	1.8	46
38	A molecular design strategy toward enzyme-activated probes with near-infrared I and II fluorescence for targeted cancer imaging. <i>Chemical Science</i> , 2019, 10, 7222-7227.	3.7	123
39	POSS: A Morphology-Tuning Strategy To Improve the Sensitivity and Responsiveness of Dissolved Oxygen Sensor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 7761-7768.	1.8	5
40	Broadening AIEgen application: rapid and portable sensing of foodstuff hazards in deep-frying oil. <i>Chemical Communications</i> , 2019, 55, 4087-4090.	2.2	27
41	An ultrasensitive fluorescent probe for hydrazine detection and its application in water samples and living cells. <i>Tetrahedron</i> , 2019, 75, 2642-2646.	1.0	37
42	High-Fidelity Trapping of Spatial-Temporal Mitochondria with Rational Design of Aggregation-Induced Emission Probes. <i>Advanced Functional Materials</i> , 2019, 29, 1808153.	7.8	73
43	<i>In vivo</i> ratiometric tracking of endogenous $\beta$ -galactosidase activity using an activatable near-infrared fluorescent probe. <i>Chemical Communications</i> , 2019, 55, 12308-12311.	2.2	48
44	Self-Assembly of a Monochromophore-Based Polymer Enables Unprecedented Ratiometric Tracing of Hypoxia. <i>Advanced Materials</i> , 2019, 31, e1805735.	11.1	57
45	Ratiometric and light-up near-infrared fluorescent DCM-based probe for real-time monitoring endogenous tyrosinase activity. <i>Dyes and Pigments</i> , 2019, 162, 802-807.	2.0	28
46	Rational Design of Near-Infrared Aggregation-Induced-Emission-Active Probes: In Situ Mapping of Amyloid- $\beta$ Plaques with Ultrasensitivity and High-Fidelity. <i>Journal of the American Chemical Society</i> , 2019, 141, 3171-3177.	6.6	341
47	Fluorescence Imaging of Alzheimer's Disease with a Flat Ensemble Formed between a Quinoline-Malononitrile AIEgen and Thin-Layer Molybdenum Disulfide. <i>ChemBioChem</i> , 2019, 20, 1856-1860.	1.3	15
48	A FRET-based dual-channel turn-on fluorescence probe for the detection of Hg <sup>2+</sup> in living cells. <i>Dyes and Pigments</i> , 2019, 161, 403-410.	2.0	52
49	Molecularly precise self-assembly of theranostic nanoprobe within a single-molecular framework for <i>in vivo</i> tracking of tumor-specific chemotherapy. <i>Chemical Science</i> , 2018, 9, 4959-4969.	3.7	81
50	Dual-channel near-infrared fluorescent probe for real-time tracking of endogenous $\beta$ -glutamyl transpeptidase activity. <i>Chemical Communications</i> , 2018, 54, 12393-12396.	2.2	31
51	Near-Infrared Fluorescent Theranostic Cisplatin Prodrug with Transcatheter Intra-Arterial Therapy: Application to Rabbit Hepatocellular Carcinoma. <i>Advanced Therapeutics</i> , 2018, 1, 1800093.	1.6	6
52	A sequence-activated AND logic dual-channel fluorescent probe for tracking programmable drug release. <i>Chemical Science</i> , 2018, 9, 6176-6182.	3.7	76
53	Morphology Tuning of Aggregation-Induced Emission Probes by Flash Nanoprecipitation: Shape and Size Effects on in Vivo Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 25186-25193.	4.0	50
54	Photocaged prodrug under NIR light-triggering with dual-channel fluorescence: in vivo real-time tracking for precise drug delivery. <i>Science China Chemistry</i> , 2018, 61, 1293-1300.	4.2	59

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55	Peptide Receptor-Targeted Fluorescent Probe: Visualization and Discrimination between Chronic and Acute Ulcerative Colitis. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13029-13036.	4.0	27
56	Near-Infrared mitochondria-targeted fluorescent probe for cysteine based on difluoroboron curcuminoid derivatives. <i>Chinese Chemical Letters</i> , 2017, 28, 1952-1956.	4.8	43
57	Rational design of a fast and selective near-infrared fluorescent probe for targeted monitoring of endogenous nitric oxide. <i>Chemical Communications</i> , 2017, 53, 10520-10523.	2.2	51
58	GSH-Activated NIR Fluorescent Prodrug for Podophyllotoxin Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 29496-29504.	4.0	67
59	Real-Time Tracking and In Vivo Visualization of $\beta$ -Galactosidase Activity in Colorectal Tumor with a Ratiometric Near-Infrared Fluorescent Probe. <i>Journal of the American Chemical Society</i> , 2016, 138, 5334-5340.	6.6	432
60	Dual-channel NIR activatable theranostic prodrug for in vivo spatiotemporal tracking thiol-triggered chemotherapy. <i>Chemical Science</i> , 2016, 7, 4958-4965.	3.7	135
61	Near-infrared cyanine-based sensor for Fe <sup>3+</sup> with high sensitivity: its intracellular imaging application in colorectal cancer cells. <i>RSC Advances</i> , 2016, 6, 100759-100764.	1.7	23
62	In Situ Ratiometric Quantitative Tracing of Intracellular Leucine Aminopeptidase Activity via an Activatable Near-Infrared Fluorescent Probe. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26622-26629.	4.0	85
63	Rational design of novel near-infrared fluorescent DCM derivatives and their application in bioimaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4683-4689.	2.9	39
64	Enabling Light Work in Helical Self-Assembly for Dynamic Amplification of Chirality with Photoreversibility. <i>Journal of the American Chemical Society</i> , 2016, 138, 2219-2224.	6.6	142
65	Transforming the recognition site of 4-hydroxyaniline into 4-methoxyaniline grafted onto a BODIPY core switches the selective detection of peroxyxynitrite to hypochlorous acid. <i>Chemical Communications</i> , 2016, 52, 2075-2078.	2.2	66
66	Long wavelength AIEgen of quinoline-malononitrile. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2640-2646.	2.7	63
67	A novel colorimetric and ratiometric NIR fluorescent sensor for glutathione based on dicyanomethylene-4H-pyran in living cells. <i>Science China Chemistry</i> , 2016, 59, 62-69.	4.2	43
68	Photoswitching between black and colourless spectra exhibits resettable spatiotemporal logic. <i>Materials Horizons</i> , 2016, 3, 124-129.	6.4	25
69	A dual-response BODIPY-based fluorescent probe for the discrimination of glutathione from cysteine and homocysteine. <i>Chemical Science</i> , 2015, 6, 2584-2589.	3.7	263
70	Förster Resonance Energy Transfer Switchable Self-Assembled Micellar Nanoprobe: Ratiometric Fluorescent Trapping of Endogenous H <sub>2</sub> S Generation via Fluvastatin-Stimulated Upregulation. <i>Journal of the American Chemical Society</i> , 2015, 137, 8490-8498.	6.6	268
71	Facile Preparation of AIE-Active Fluorescent Nanoparticles through Flash Nanoprecipitation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 4683-4688.	1.8	59
72	Far-Red and Near-IR AIE-Active Fluorescent Organic Nanoprobes with Enhanced Tumor Targeting Efficacy: Shape-Specific Effects. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7275-7280.	7.2	361

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73	Optimizing the Chemical Recognition Process of a Fluorescent Chemosensor for $\hat{\pm}$ -Ketoglutarate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 2886-2893.	1.8	10
74	A redox-activated fluorescence switch based on a ferrocene- $\hat{\pm}$ fluorophore- $\hat{\pm}$ boronic ester conjugate. <i>Chemical Communications</i> , 2015, 51, 1293-1296.	2.2	55
75	Recent progress in the development of near-infrared fluorescent probes for bioimaging applications. <i>Chemical Society Reviews</i> , 2014, 43, 16-29.	18.7	1,557
76	Synthesis of a highly Zn <sup>2+</sup> -selective cyanine-based probe and its use for tracing endogenous zinc ions in cells and organisms. <i>Nature Protocols</i> , 2014, 9, 1245-1254.	5.5	83
77	Insight into aggregation-induced emission characteristics of red-emissive quinoline-malononitrile by cell tracking and real-time trypsin detection. <i>Chemical Science</i> , 2014, 5, 1383.	3.7	159
78	A naked-eye and ratiometric near-infrared probe for palladium via modulation of a $\hat{\pm}$ -conjugated system of cyanines. <i>Chemical Communications</i> , 2014, 50, 13525-13528.	2.2	97
79	Selective homocysteine turn-on fluorescent probes and their bioimaging applications. <i>Chemical Communications</i> , 2014, 50, 6967.	2.2	146
80	Fabrication of mesoporous silica nanoparticles hybridised with fluorescent AIE-active quinoline-malononitrile for drug delivery and bioimaging. <i>RSC Advances</i> , 2014, 4, 58976-58981.	1.7	15
81	Development of a Small Molecule Probe Capable of Discriminating Cysteine, Homocysteine, and Glutathione with Three Distinct Turn-On Fluorescent Outputs. <i>Chemistry - A European Journal</i> , 2014, 20, 11471-11478.	1.7	131
82	Rational design of a turn-on fluorescent sensor for $\hat{\pm}$ -ketoglutaric acid in a microfluidic chip. <i>Chemical Science</i> , 2014, 5, 4012-4016.	3.7	35
83	<i>In Vivo</i> and <i>In Situ</i> Tracking Cancer Chemotherapy by Highly Photostable NIR Fluorescent Theranostic Prodrug. <i>Journal of the American Chemical Society</i> , 2014, 136, 3579-3588.	6.6	494
84	Near-Infrared Colorimetric and Fluorescent Cu <sup>2+</sup> Sensors Based on Indoline- $\hat{\pm}$ Benzothiadiazole Derivatives via Formation of Radical Cations. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 12215-12220.	4.0	56
85	Constructing NIR silica- $\hat{\pm}$ cyanine hybrid nanocomposite for bioimaging in vivo: a breakthrough in photo-stability and bright fluorescence with large Stokes shift. <i>Chemical Science</i> , 2013, 4, 1221.	3.7	76
86	Highly selective ratiometric fluorescent probe for Au <sup>3+</sup> and its application to bioimaging. <i>Biosensors and Bioelectronics</i> , 2013, 49, 438-441.	5.3	85
87	A Multiaddressable Photochromic Bisthiénylene with Sequence-Dependent Responses: Construction of an INHIBIT Logic Gate and a Keypad Lock. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 5623-5629.	4.0	59
88	Screen-Printed Red Luminescent Copolymer Film Containing Cyclometalated Iridium(III) Complex as a High-Permeability Dissolved-Oxygen Sensor for Fermentation Bioprocess. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 3980-3987.	1.8	24
89	Self-Assembly Solid-State Enhanced Red Emission of Quinolinemalononitrile: Optical Waveguides and Stimuli Response. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 192-198.	4.0	183
90	Sensing Performance Enhancement via Acetate-Mediated N-Acylation of Thiourea Derivatives: A Novel Fluorescent Turn-On Hg <sup>2+</sup> Chemodosimeter. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3657-3662.	4.0	41

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91	A Benzobisimidazolium-Based Fluorescent and Colorimetric Chemosensor for CO <sub>2</sub> . Journal of the American Chemical Society, 2012, 134, 17846-17849.	6.6	209
92	A cyanine-based fluorescent sensor for detecting endogenous zinc ions in live cells and organisms. Biomaterials, 2012, 33, 7818-7827.	5.7	158
93	A highly selective ratiometric near-infrared fluorescent cyanine sensor for cysteine with remarkable shift and its application in bioimaging. Chemical Science, 2012, 3, 2760.	3.7	416
94	A novel NIR fluorescent turn-on sensor for the detection of pyrophosphate anion in complete water system. Chemical Communications, 2012, 48, 1784.	2.2	182
95	Dicyanomethylene-4H-pyran chromophores for OLED emitters, logic gates and optical chemosensors. Chemical Communications, 2012, 48, 6073.	2.2	258
96	Recognition and sensing of various species using boronic acid derivatives. Chemical Communications, 2012, 48, 5956.	2.2	209
97	A new rhodamine derivative bearing benzothiazole and thiocarbonyl moieties as a highly selective fluorescent and colorimetric chemodosimeter for Hg <sup>2+</sup> . Sensors and Actuators B: Chemical, 2012, 161, 948-953.	4.0	97
98	Recent Application Progress on Aggregation-Induced Emission. Chinese Journal of Organic Chemistry, 2012, 32, 1620.	0.6	15
99	Helical Assembly Induced by Hydrogen Bonding from Chiral Carboxylic Acids Based on Perylene Bisimides. Journal of Physical Chemistry B, 2011, 115, 10871-10876.	1.2	55
100	Recent progress on polymer-based fluorescent and colorimetric chemosensors. Chemical Society Reviews, 2011, 40, 79-93.	18.7	897
101	Near-Infrared Cell-Permeable Hg <sup>2+</sup> -Selective Ratiometric Fluorescent Chemodosimeters and Fast Indicator Paper for MeHg <sup>+</sup> Based on Tricarbocyanines. Chemistry - A European Journal, 2010, 16, 14424-14432.	1.7	163
102	Hydrophilic Copolymer Bearing Dicyanomethylene-4H-pyran Moiety As Fluorescent Film Sensor for Cu <sup>2+</sup> and Pyrophosphate Anion. Macromolecules, 2010, 43, 739-744.	2.2	159
103	A hydrophilic fluorescent polymer containing naphthalimide moiety as chemosensor for microbio reactors. Science in China Series B: Chemistry, 2009, 52, 821-826.	0.8	13
104	Multiple Logic Fluorescent Thermometer System Based on N-Isopropylmethacrylamide Copolymer Bearing Dicyanomethylene-4H-pyran Moiety. Macromolecules, 2009, 42, 1448-1453.	2.2	73
105	A colorimetric and fluorescent turn-on sensor for pyrophosphate anion based on a dicyanomethylene-4H-chromene framework. Chemical Communications, 2008, , 5143.	2.2	171
106	Intramolecular Charge-Transfer Process Based on Dicyanomethylene-4H-pyran Derivative: An Integrated Operation of Half-Subtractor and Comparator. Journal of Physical Chemistry C, 2008, 112, 7047-7053.	1.5	52
107	A Fluorophore Capable of Crossword Puzzles and Logic Memory. Angewandte Chemie - International Edition, 2007, 46, 5549-5553.	7.2	251
108	Highly stable and fluorescent switching spirooxazines. Tetrahedron, 2006, 62, 9840-9845.	1.0	29

#	ARTICLE	IF	CITATIONS
109	CHAPTER 4. Fluorescent Chemosensors Based on Boronic Acid Derivatives. Monographs in Supramolecular Chemistry, 0, , 101-127.	0.2	0