

Changmin

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.

62 papers	2,737 citations	28 h-index	52 g-index
66 ext. papers	3,122 ext. citations	7 avg, IF	5.3 L-index

#	Paper	IF	Citations
62	Small-molecule fluorescent probes based on covalent assembly strategy for chemoselective bioimaging.. <i>RSC Advances</i> , 2022 , 12, 1393-1415	3.7	3
61	Two-Photon Small-Molecule Fluorogenic Probes for Visualizing Endogenous Nitroreductase Activities from Tumor Tissues of a Cancer Patient.. <i>Advanced Healthcare Materials</i> , 2022 , e2200400	10.1	3
60	Wearable Sweat Biosensors Refresh Personalized Health/Medical Diagnostics. <i>Research</i> , 2021 , 2021, 9757126	7.8	2
59	A novel method for precise detection of allergen-specific IgE via immobilizing His-tagged allergens to paper-based device. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 567-571	9.3	1
58	Simultaneously Detecting Monoamine Oxidase A and B in Disease Cell/Tissue Samples Using Paper-Based Devices.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 1395-1402	4.1	1
57	Surface engineering strategies of gold nanomaterials and their applications in biomedicine and detection. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 5583-5598	7.3	6
56	Ultrasensitive detection of specific IgE based on nanomagnetic capture and separation with a AuNP-anti-IgE nanobioprobe for signal amplification. <i>Analytical Methods</i> , 2021 , 13, 2478-2484	3.2	1
55	Recent progress in the development of sensing systems for in vivo detection of biological hydrogen sulfide. <i>Dyes and Pigments</i> , 2021 , 192, 109451	4.6	3
54	Recent development of small-molecule organic fluorophores for multifunctional bioimaging in the second near-infrared window. <i>Journal of Luminescence</i> , 2020 , 225, 117338	3.8	19
53	Rational Design of a Two-Photon Fluorogenic Probe for Visualizing Monoamine Oxidase A Activity in Human Glioma Tissues. <i>Angewandte Chemie</i> , 2020 , 132, 7606-7611	3.6	5
52	Rational Design of a Two-Photon Fluorogenic Probe for Visualizing Monoamine Oxidase A Activity in Human Glioma Tissues. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7536-7541	16.4	31
51	Mitochondria-targeted fluorescent probe based on vibration-induced emission for real-time monitoring mitophagy-specific viscosity dynamic. <i>Chinese Chemical Letters</i> , 2020 , 31, 2897-2902	8.1	5
50	A novel naphthofluorescein-based probe for ultrasensitive point-of-care testing of zinc(II) ions and its bioimaging in living cells and zebrafishes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 229, 117949	4.4	7
49	Specifically immobilizing His-tagged allergens to magnetic nanoparticles for fast and quantitative detection of allergen-specific IgE in serum samples. <i>Talanta</i> , 2020 , 219, 121301	6.2	3
48	Two-photon small molecular fluorogenic probe visualizing biothiols and sulfides in living cells, mice brain slices and zebrafish. <i>Sensors and Actuators B: Chemical</i> , 2020 , 323, 128673	8.5	6
47	Red carbon dots as label-free two-photon fluorescent nanoprobes for imaging of formaldehyde in living cells and zebrafishes. <i>Chinese Chemical Letters</i> , 2020 , 31, 759-763	8.1	16
46	Non-viral nanocarriers for intracellular delivery of microRNA therapeutics. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1209-1225	7.3	44

45	A rapid and highly selective paper-based device for high-throughput detection of cysteine with red fluorescence emission and a large Stokes shift. <i>Analytical Methods</i> , 2019 , 11, 1312-1316	3.2	11
44	A mitochondria-targeted two-photon fluorogenic probe for the dual-imaging of viscosity and H ₂ O ₂ levels in Parkinson's disease models. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4243-4251	7.3	39
43	A novel pyrimidine based deep-red fluorogenic probe for detecting hydrogen peroxide in Parkinson's disease models. <i>Talanta</i> , 2019 , 199, 628-633	6.2	15
42	Hybrid fluorophores-based fluorogenic paper device for visually high-throughput detection of Cu ²⁺ in real samples. <i>Dyes and Pigments</i> , 2019 , 170, 107639	4.6	8
41	Rational Design of Nanocarriers for Intracellular Protein Delivery. <i>Advanced Materials</i> , 2019 , 31, e1902791	14	80
40	A paper-based chemiluminescence immunoassay device for rapid and high-throughput detection of allergen-specific IgE. <i>Analyst, The</i> , 2019 , 144, 2584-2593	5	15
39	Rational design of NIR fluorescence probes for sensitive detection of viscosity in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 214, 339-347	4.4	23
38	A reversible fluorescent probe for directly monitoring protein-small molecules interaction utilizing vibration-induced emission. <i>Dyes and Pigments</i> , 2019 , 163, 425-432	4.6	11
37	The use of proteomic technologies to study molecular mechanisms of multidrug resistance in cancer. <i>European Journal of Medicinal Chemistry</i> , 2019 , 162, 423-434	6.8	18
36	Fast-Response Fluorogenic Probe for Visualizing Hypochlorite in Living Cells and in Zebrafish. <i>ChemBioChem</i> , 2019 , 20, 831-837	3.8	6
35	MSN-on-a-Chip: Cell-Based Screenings Made Possible on a Small-Molecule Microarray of Native Natural Products. <i>ChemBioChem</i> , 2018 , 19, 986-996	3.8	5
34	Recent progress in small molecule fluorescent probes for nitroreductase. <i>Chinese Chemical Letters</i> , 2018 , 29, 1451-1455	8.1	48
33	Near infrared quantum dots in biomedical applications: current status and future perspective. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018 , 10, e1483	9.2	90
32	Photocontrollable Fluorogenic Probe for Visualizing Near-Membrane Hypochlorite in Live Cells. <i>ChemistrySelect</i> , 2018 , 3, 5981-5986	1.8	6
31	Fast response two-photon fluorogenic probe based on Schiff base derivatives for monitoring nitric oxide levels in living cells and zebrafish. <i>Chemical Communications</i> , 2018 , 54, 13491-13494	5.8	16
30	Cell-penetrating poly(disulfide)-based star polymers for simultaneous intracellular delivery of miRNAs and small molecule drugs. <i>Polymer Chemistry</i> , 2017 , 8, 4043-4051	4.9	33
29	Simultaneous Imaging of Endogenous Survivin mRNA and On-Demand Drug Release in Live Cells by Using a Mesoporous Silica Nanoquencher. <i>Small</i> , 2017 , 13, 1700569	11	35
28	Intracellular Delivery of Functional Native Antibodies under Hypoxic Conditions by Using a Biodegradable Silica Nanoquencher. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12481-12485	16.4	77

27	An anthracenecarboximide fluorescent probe for in vitro and in vivo ratiometric imaging of endogenous alpha-L-fucosidase for hepatocellular carcinoma diagnosis. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 660-667	7.8	18
26	Intracellular Delivery of Functional Native Antibodies under Hypoxic Conditions by Using a Biodegradable Silica Nanoquencher. <i>Angewandte Chemie</i> , 2017 , 129, 12655-12659	3.6	19
25	A ratiometric fluorescent probe for aluminum ions based-on monomer/excimer conversion and its applications to real samples. <i>Talanta</i> , 2016 , 151, 8-13	6.2	27
24	A fluorescent probe for simultaneous discrimination of GSH and Cys/Hcy in human serum samples via distinctly-separated emissions with independent excitations. <i>Biosensors and Bioelectronics</i> , 2016 , 81, 341-348	11.8	115
23	Pyrene Derivative Emitting Red or near-Infrared Light with Monomer/Excimer Conversion and Its Application to Ratiometric Detection of Hypochlorite. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1511-9	9.5	162
22	Cell-Penetrating Poly(disulfide) Assisted Intracellular Delivery of Mesoporous Silica Nanoparticles for Inhibition of miR-21 Function and Detection of Subsequent Therapeutic Effects. <i>Angewandte Chemie</i> , 2016 , 128, 9418-9422	3.6	21
21	Cell-Penetrating Poly(disulfide) Assisted Intracellular Delivery of Mesoporous Silica Nanoparticles for Inhibition of miR-21 Function and Detection of Subsequent Therapeutic Effects. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9272-6	16.4	89
20	A ratiometric fluorescent system for carboxylesterase detection with AIE dots as FRET donors. <i>Chemical Communications</i> , 2015 , 51, 12791-4	5.8	86
19	A fluorescent probe for alkaline phosphatase via excited state intramolecular proton transfer. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 720-726	8.5	30
18	Dual-targeting nanosystem for enhancing photodynamic therapy efficiency. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9287-96	9.5	81
17	Intracellular Delivery of Functional Proteins and Native Drugs by Cell-Penetrating Poly(disulfide)s. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12153-60	16.4	142
16	Single-Vehicular Delivery of Antagomir and Small Molecules to Inhibit miR-122 Function in Hepatocellular Carcinoma Cells by using Smart Mesoporous Silica Nanoparticles. <i>Angewandte Chemie</i> , 2015 , 127, 10720-10724	3.6	9
15	Single-Vehicular Delivery of Antagomir and Small Molecules to Inhibit miR-122 Function in Hepatocellular Carcinoma Cells by using "Smart" Mesoporous Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10574-8	16.4	48
14	Low molecular weight PEIs modified by hydrazone-based crosslinker and betaine as improved gene carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 122, 472-481	6	23
13	Preparation of a mitochondria-targeted and NO-releasing nanoplatform and its enhanced pro-apoptotic effect on cancer cells. <i>Small</i> , 2014 , 10, 3750-60	11	90
12	A novel ratiometric fluorescent probe through aggregation-induced emission and analyte-induced excimer dissociation. <i>Sensors and Actuators B: Chemical</i> , 2014 , 203, 504-510	8.5	18
11	A ratiometric fluorescent nanoprobe for HO sensing and in vivo detection of drug-induced oxidative damage to the digestive system. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 8528-8537	7.3	40
10	Carbon-dot-based ratiometric fluorescent sensor for detecting hydrogen sulfide in aqueous media and inside live cells. <i>Chemical Communications</i> , 2013 , 49, 403-5	5.8	400

9	A polylysine-based fluorescent probe for sulfite anion detection in aqueous media via analyte-induced charge generation and complexation. <i>Polymer Chemistry</i> , 2013 , 4, 5416	4.9	40
8	A low cytotoxic and ratiometric fluorescent nanosensor based on carbon-dots for intracellular pH sensing and mapping. <i>Nanotechnology</i> , 2013 , 24, 365101	3.4	86
7	A fluorescent ratiometric nanosensor for detecting NO in aqueous media and imaging exogenous and endogenous NO in live cells. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4152-4159	7.3	69
6	A PEGylated fluorescent turn-on sensor for detecting fluoride ions in totally aqueous media and its imaging in live cells. <i>Chemistry - A European Journal</i> , 2013 , 19, 936-42	4.8	92
5	Hyperbranched polyester-based fluorescent probe for histone deacetylase via aggregation-induced emission. <i>Biomacromolecules</i> , 2013 , 14, 4507-14	6.9	64
4	A fast-responding fluorescent turn-on sensor for sensitive and selective detection of sulfite anions. <i>Analytical Methods</i> , 2012 , 4, 2638	3.2	74
3	A silica nanoparticle-based sensor for selective fluorescent detection of homocysteine via interaction differences between thiols and particle-surface-bound polymers. <i>Nanotechnology</i> , 2012 , 23, 305503	3.4	20
2	Mesoporous silica particles for selective detection of dopamine with β -cyclodextrin as the selective barricade. <i>Chemical Communications</i> , 2011 , 47, 9086-8	5.8	41
1	Cyclodextrin supramolecular complex as a water-soluble ratiometric sensor for ferric ion sensing. <i>Langmuir</i> , 2010 , 26, 4529-34	4	133