Changmin

List of Publications by Citations

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	Carbon-dot-based ratiometric fluorescent sensor for detecting hydrogen sulfide in aqueous media and inside live cells. *Chemical Communications*, **2013**, 49, 403-5	5.8	400
61	Pyrene Derivative Emitting Red or near-Infrared Light with Monomer/Excimer Conversion and Its Application to Ratiometric Detection of Hypochlorite. *ACS Applied Materials & Interfaces*, **2016**, 8, 1511-9	9.5	162
60	Intracellular Delivery of Functional Proteins and Native Drugs by Cell-Penetrating Poly(disulfide)s. *Journal of the American Chemical Society*, **2015**, 137, 12153-60	16.4	142
59	Cyclodextrin supramolecular complex as a water-soluble ratiometric sensor for ferric ion sensing. *Langmuir*, **2010**, 26, 4529-34	4	133
58	A fluorescent probe for simultaneous discrimination of GSH and Cys/Hcy in human serum samples via distinctly-separated emissions with independent excitations. *Biosensors and Bioelectronics*, **2016** , 81, 341-348	11.8	115
57	A PEGylated fluorescent turn-on sensor for detecting fluoride ions in totally aqueous media and its imaging in live cells. *Chemistry - A European Journal*, **2013**, 19, 936-42	4.8	92
56	Near infrared quantum dots in biomedical applications: current status and future perspective. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2018**, 10, e1483	9.2	90
55	Preparation of a mitochondria-targeted and NO-releasing nanoplatform and its enhanced pro-apoptotic effect on cancer cells. *Small*, **2014**, 10, 3750-60	11	90
54	Cell-Penetrating Poly(disulfide) Assisted Intracellular Delivery of Mesoporous Silica Nanoparticles for Inhibition of miR-21 Function and Detection of Subsequent Therapeutic Effects. *Angewandte Chemie - International Edition*, **2016**, 55, 9272-6	16.4	89
53	A ratiometric fluorescent system for carboxylesterase detection with AIE dots as FRET donors. *Chemical Communications*, **2015**, 51, 12791-4	5.8	86
52	A low cytotoxic and ratiometric fluorescent nanosensor based on carbon-dots for intracellular pH sensing and mapping. *Nanotechnology*, **2013**, 24, 365101	3.4	86
51	Dual-targeting nanosystem for enhancing photodynamic therapy efficiency. *ACS Applied Materials & Interfaces*, **2015**, 7, 9287-96	9.5	81
50	Rational Design of Nanocarriers for Intracellular Protein Delivery. *Advanced Materials*, **2019**, 31, e1902791	24	80
49	Intracellular Delivery of Functional Native Antibodies under Hypoxic Conditions by Using a Biodegradable Silica Nanoquencher. *Angewandte Chemie - International Edition*, **2017**, 56, 12481-12485	16.4	77
48	A fast-responding fluorescent turn-on sensor for sensitive and selective detection of sulfite anions. *Analytical Methods*, **2012**, 4, 2638	3.2	74
47	A fluorescent ratiometric nanosensor for detecting NO in aqueous media and imaging exogenous and endogenous NO in live cells. *Journal of Materials Chemistry B*, **2013**, 1, 4152-4159	7.3	69
46	Hyperbranched polyester-based fluorescent probe for histone deacetylase via aggregation-induced emission. *Biomacromolecules*, **2013**, 14, 4507-14	6.9	64

45	Recent progress in small molecule fluorescent probes for nitroreductase. *Chinese Chemical Letters*, **2018**, 29, 1451-1455	8.1	48
44	Single-Vehicular Delivery of Antagomir and Small Molecules to Inhibit miR-122 Function in Hepatocellular Carcinoma Cells by using "Smart" Mesoporous Silica Nanoparticles. *Angewandte Chemie - International Edition*, **2015**, 54, 10574-8	16.4	48
43	Non-viral nanocarriers for intracellular delivery of microRNA therapeutics. *Journal of Materials Chemistry B*, **2019**, 7, 1209-1225	7.3	44
42	Mesoporous silica particles for selective detection of dopamine with -cyclodextrin as the selective barricade. *Chemical Communications*, **2011**, 47, 9086-8	5.8	41
41	A polylysine-based fluorescent probe for sulfite anion detection in aqueous media via analyte-induced charge generation and complexation. *Polymer Chemistry*, **2013**, 4, 5416	4.9	40
40	A ratiometric fluorescent nanoprobe for HO sensing and in vivo detection of drug-induced oxidative damage to the digestive system. *Journal of Materials Chemistry B*, **2014**, 2, 8528-8537	7.3	40
39	A mitochondria-targeted two-photon fluorogenic probe for the dual-imaging of viscosity and H2O2 levels in Parkinson's disease models. *Journal of Materials Chemistry B*, **2019**, 7, 4243-4251	7.3	39
38	Simultaneous Imaging of Endogenous Survivin mRNA and On-Demand Drug Release in Live Cells by Using a Mesoporous Silica Nanoquencher. *Small*, **2017**, 13, 1700569	11	35
37	Cell-penetrating poly(disulfide)-based star polymers for simultaneous intracellular delivery of miRNAs and small molecule drugs. *Polymer Chemistry*, **2017**, 8, 4043-4051	4.9	33
36	Rational Design of a Two-Photon Fluorogenic Probe for Visualizing Monoamine Oxidase A Activity in Human Glioma Tissues. *Angewandte Chemie - International Edition*, **2020**, 59, 7536-7541	16.4	31
35	A fluorescent probe for alkaline phosphatase via excited state intramolecular proton transfer. *Sensors and Actuators B: Chemical*, **2015**, 220, 720-726	8.5	30
34	A ratiometric fluorescent probe for aluminum ions based-on monomer/excimer conversion and its applications to real samples. *Talanta*, **2016**, 151, 8-13	6.2	27
33	Low molecular weight PEIs modified by hydrazone-based crosslinker and betaine as improved gene carriers. *Colloids and Surfaces B: Biointerfaces*, **2014**, 122, 472-481	6	23
32	Rational design of NIR fluorescence probes for sensitive detection of viscosity in living cells. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 214, 339-347	4.4	23
31	Cell-Penetrating Poly(disulfide) Assisted Intracellular Delivery of Mesoporous Silica Nanoparticles for Inhibition of miR-21 Function and Detection of Subsequent Therapeutic Effects. *Angewandte Chemie*, **2016**, 128, 9418-9422	3.6	21
30	A silica nanoparticle-based sensor for selective fluorescent detection of homocysteine via interaction differences between thiols and particle-surface-bound polymers. *Nanotechnology*, **2012**, 23, 305503	3.4	20
29	Recent development of small-molecule organic fluorophores for multifunctional bioimaging in the second near-infrared window. *Journal of Luminescence*, **2020**, 225, 117338	3.8	19
28	Intracellular Delivery of Functional Native Antibodies under Hypoxic Conditions by Using a Biodegradable Silica Nanoquencher. *Angewandte Chemie*, **2017**, 129, 12655-12659	3.6	19

27	An anthracenecarboximide fluorescent probe for in vitro and in vivo ratiometric imaging of endogenous alpha-L-fucosidase for hepatocellular carcinoma diagnosis. *Materials Chemistry Frontiers*, **2017**, 1, 660-667	7.8	18
26	A novel ratiometric fluorescent probe through aggregation-induced emission and analyte-induced excimer dissociation. *Sensors and Actuators B: Chemical*, **2014**, 203, 504-510	8.5	18
25	The use of proteomic technologies to study molecular mechanisms of multidrug resistance in cancer. *European Journal of Medicinal Chemistry*, **2019**, 162, 423-434	6.8	18
24	Red carbon dots as label-free two-photon fluorescent nanoprobes for imaging of formaldehyde in living cells and zebrafishes. *Chinese Chemical Letters*, **2020**, 31, 759-763	8.1	16
23	Fast response two-photon fluorogenic probe based on Schiff base derivatives for monitoring nitric oxide levels in living cells and zebrafish. *Chemical Communications*, **2018**, 54, 13491-13494	5.8	16
22	A novel pyrimidine based deep-red fluorogenic probe for detecting hydrogen peroxide in Parkinson's disease models. *Talanta*, **2019**, 199, 628-633	6.2	15
21	A paper-based chemiluminescence immunoassay device for rapid and high-throughput detection of allergen-specific IgE. *Analyst, The*, **2019**, 144, 2584-2593	5	15
20	A rapid and highly selective paper-based device for high-throughput detection of cysteine with red fluorescence emission and a large Stokes shift. *Analytical Methods*, **2019**, 11, 1312-1316	3.2	11
19	A reversible fluorescent probe for directly monitoring protein-small molecules interaction utilizing vibration-induced emission. *Dyes and Pigments*, **2019**, 163, 425-432	4.6	11
18	Single-Vehicular Delivery of Antagomir and Small Molecules to Inhibit miR-122 Function in Hepatocellular Carcinoma Cells by using Smart Mesoporous Silica Nanoparticles. *Angewandte Chemie*, **2015**, 127, 10720-10724	3.6	9
17	Hybrid fluorophores-based fluorogenic paper device for visually high-throughput detection of Cu2+ in real samples. *Dyes and Pigments*, **2019**, 170, 107639	4.6	8
16	A novel naphthofluorescein-based probe for ultrasensitive point-of-care testing of zinc(II) ions and its bioimaging in living cells and zebrafishes. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 229, 117949	4.4	7
15	Photocontrollable Fluorogenic Probe for Visualizing Near-Membrane Hypochlorite in Live Cells. *ChemistrySelect*, **2018**, 3, 5981-5986	1.8	6
14	Two-photon small molecular fluorogenic probe visualizing biothiols and sulfides in living cells, mice brain slices and zebrafish. *Sensors and Actuators B: Chemical*, **2020**, 323, 128673	8.5	6
13	Fast-Response Fluorogenic Probe for Visualizing Hypochlorite in Living Cells and in Zebrafish. *ChemBioChem*, **2019**, 20, 831-837	3.8	6
12	Surface engineering strategies of gold nanomaterials and their applications in biomedicine and detection. *Journal of Materials Chemistry B*, **2021**, 9, 5583-5598	7.3	6
11	Rational Design of a Two-Photon Fluorogenic Probe for Visualizing Monoamine Oxidase A Activity in Human Glioma Tissues. *Angewandte Chemie*, **2020**, 132, 7606-7611	3.6	5
10	Mitochondria-targeted fluorescent probe based on vibration-induced emission for real-time monitoring mitophagy-speci viscosity dynamic. *Chinese Chemical Letters*, **2020**, 31, 2897-2902	8.1	5

9	MSN-on-a-Chip: Cell-Based Screenings Made Possible on a Small-Molecule Microarray of Native Natural Products. *ChemBioChem*, **2018**, 19, 986-996	3.8	5
8	Small-molecule fluorescent probes based on covalent assembly strategy for chemoselective bioimaging.. *RSC Advances*, **2022**, 12, 1393-1415	3.7	3
7	Specifically immobilizing His-tagged allergens to magnetic nanoparticles for fast and quantitative detection of allergen-specific IgE in serum samples. *Talanta*, **2020**, 219, 121301	6.2	3
6	Recent progress in the development of sensing systems for in vivo detection of biological hydrogen sulfide. *Dyes and Pigments*, **2021**, 192, 109451	4.6	3
5	Two-Photon Small-Molecule Fluorogenic Probes for Visualizing Endogenous Nitroreductase Activities from Tumor Tissues of a Cancer Patient.. *Advanced Healthcare Materials*, **2022**, e2200400	10.1	3
4	Wearable Sweat Biosensors Refresh Personalized Health/Medical Diagnostics. *Research*, **2021**, 2021, 9757126	7.8	2
3	A novel method for precise detection of allergen-specific IgE via immobilizing His-tagged allergens to paper-based device. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 567-571	9.3	1
2	Simultaneously Detecting Monoamine Oxidase A and B in Disease Cell/Tissue Samples Using Paper-Based Devices.. *ACS Applied Bio Materials*, **2021**, 4, 1395-1402	4.1	1
1	Ultrasensitive detection of specific IgE based on nanomagnetic capture and separation with a AuNP-anti-IgE nanobioprobe for signal amplification. *Analytical Methods*, **2021**, 13, 2478-2484	3.2	1