

Xiao-bing Zhang

List of Publications by Citations

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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.

261
papers

13,947
citations

64
h-index

108
g-index

282
ext. papers

17,103
ext. citations

9.4
avg, IF

6.91
L-index

#	Paper	IF	Citations
261	Recent progresses in small-molecule enzymatic fluorescent probes for cancer imaging. <i>Chemical Society Reviews</i> , 2018 , 47, 7140-7180	58.5	462
260	Activatable fluorescence/MRI bimodal platform for tumor cell imaging via MnO ₂ nanosheet-aptamer nanoprobe. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11220-3	16.4	430
259	Aptamer-integrated DNA nanostructures for biosensing, bioimaging and cancer therapy. <i>Chemical Society Reviews</i> , 2016 , 45, 2583-602	58.5	386
258	A Smart Photosensitizer-Manganese Dioxide Nanosystem for Enhanced Photodynamic Therapy by Reducing Glutathione Levels in Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5477-82	16.4	368
257	Graphene-DNAzyme based biosensor for amplified fluorescence "turn-on" detection of Pb ²⁺ with a high selectivity. <i>Analytical Chemistry</i> , 2011 , 83, 5062-6	7.8	355
256	Selective Visualization of the Endogenous Peroxynitrite in an Inflamed Mouse Model by a Mitochondria-Targetable Two-Photon Ratiometric Fluorescent Probe. <i>Journal of the American Chemical Society</i> , 2017 , 139, 285-292	16.4	318
255	Metal ion sensors based on DNAzymes and related DNA molecules. <i>Annual Review of Analytical Chemistry</i> , 2011 , 4, 105-28	12.5	305
254	Noncanonical self-assembly of multifunctional DNA nanoflowers for biomedical applications. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16438-45	16.4	288
253	Functional DNA-containing nanomaterials: cellular applications in biosensing, imaging, and targeted therapy. <i>Accounts of Chemical Research</i> , 2014 , 47, 1891-901	24.3	265
252	DNA nanoflowers for multiplexed cellular imaging and traceable targeted drug delivery. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5821-6	16.4	236
251	Molecular engineering of a TBET-based two-photon fluorescent probe for ratiometric imaging of living cells and tissues. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9838-41	16.4	215
250	DNAzyme-based biosensors and nanodevices. <i>Chemical Communications</i> , 2015 , 51, 979-95	5.8	213
249	Catalytic and molecular beacons for amplified detection of metal ions and organic molecules with high sensitivity. <i>Analytical Chemistry</i> , 2010 , 82, 5005-11	7.8	205
248	A smart DNAzyme-MnO ₂ nanosystem for efficient gene silencing. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4801-5	16.4	196
247	A ligation-triggered DNAzyme cascade for amplified fluorescence detection of biological small molecules with zero-background signal. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11686-91	16.4	195
246	An optical fiber chemical sensor for mercury ions based on a porphyrin dimer. <i>Analytical Chemistry</i> , 2002 , 74, 821-5	7.8	195
245	Fluorescence Resonance Energy Transfer-Based DNA Tetrahedron Nanotweezer for Highly Reliable Detection of Tumor-Related mRNA in Living Cells. <i>ACS Nano</i> , 2017 , 11, 4060-4066	16.7	175

244	High-sensitivity naphthalene-based two-photon fluorescent probe suitable for direct bioimaging of H ₂ S in living cells. <i>Analytical Chemistry</i> , 2013 , 85, 7875-81	7.8	170
243	A General Method To Increase Stokes Shift by Introducing Alternating Vibronic Structures. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7716-7722	16.4	160
242	Targeted bioimaging and photodynamic therapy nanoplatfrom using an aptamer-guided G-quadruplex DNA carrier and near-infrared light. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13965-9	16.4	159
241	mRNA-Initiated, Three-Dimensional DNA Amplifier Able to Function inside Living Cells. <i>Journal of the American Chemical Society</i> , 2018 , 140, 258-263	16.4	150
240	Engineering a 3D DNA-Logic Gate Nanomachine for Bispecific Recognition and Computing on Target Cell Surfaces. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9793-9796	16.4	145
239	A controlled-release nanocarrier with extracellular pH value driven tumor targeting and translocation for drug delivery. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7487-91	16.4	145
238	De Novo Design of Chemical Stability Near-Infrared Molecular Probes for High-Fidelity Hepatotoxicity Evaluation In Vivo. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6352-6361	16.4	136
237	Persistent Regulation of Tumor Microenvironment via Circulating Catalysis of MnFe ₂ O ₄ @Metal-Organic Frameworks for Enhanced Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2019 , 29, 1901417	15.6	130
236	DNA dendrimer: an efficient nanocarrier of functional nucleic acids for intracellular molecular sensing. <i>ACS Nano</i> , 2014 , 8, 6171-81	16.7	128
235	Optical Control of Metal Ion Probes in Cells and Zebrafish Using Highly Selective DNAzymes Conjugated to Upconversion Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17656-17665	16.4	128
234	Near Infrared Graphene Quantum Dots-Based Two-Photon Nanoprobe for Direct Bioimaging of Endogenous Ascorbic Acid in Living Cells. <i>Analytical Chemistry</i> , 2017 , 89, 4077-4084	7.8	126
233	In Situ Localization of Enzyme Activity in Live Cells by a Molecular Probe Releasing a Precipitating Fluorochrome. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11788-11792	16.4	125
232	Versatile DNAzyme-based amplified biosensing platforms for nucleic acid, protein, and enzyme activity detection. <i>Analytical Chemistry</i> , 2013 , 85, 3614-20	7.8	118
231	A fluorescent chemical sensor for Fe ³⁺ based on blocking of intramolecular proton transfer of a quinazolinone derivative. <i>Talanta</i> , 2007 , 71, 171-7	6.2	115
230	Investigation of Drug-Induced Hepatotoxicity and Its Remediation Pathway with Reaction-Based Fluorescent Probes. <i>Analytical Chemistry</i> , 2017 , 89, 7693-7700	7.8	114
229	Metal-Organic Framework Nanomaterials as Novel Signal Probes for Electron Transfer Mediated Ultrasensitive Electrochemical Immunoassay. <i>Analytical Chemistry</i> , 2016 , 88, 12516-12523	7.8	114
228	A mitochondrial-targeted prodrug for NIR imaging guided and synergetic NIR photodynamic-chemo cancer therapy. <i>Chemical Science</i> , 2017 , 8, 7689-7695	9.4	114
227	Circular Bivalent Aptamers Enable in Vivo Stability and Recognition. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9128-9131	16.4	108

226	Efficient Two-Photon Fluorescent Probe for Nitroreductase Detection and Hypoxia Imaging in Tumor Cells and Tissues. <i>Analytical Chemistry</i> , 2015 , 87, 11832-9	7.8	108
225	A unique approach toward near-infrared fluorescent probes for bioimaging with remarkably enhanced contrast. <i>Chemical Science</i> , 2016 , 7, 2275-2285	9.4	106
224	Efficient two-photon fluorescent probe with red emission for imaging of thiophenols in living cells and tissues. <i>Analytical Chemistry</i> , 2015 , 87, 8896-903	7.8	101
223	Preparation and biomedical applications of programmable and multifunctional DNA nanoflowers. <i>Nature Protocols</i> , 2015 , 10, 1508-24	18.8	101
222	Fluorescence Resonance Energy Transfer-Based DNA Nanoprism with a Split Aptamer for Adenosine Triphosphate Sensing in Living Cells. <i>Analytical Chemistry</i> , 2017 , 89, 10941-10947	7.8	94
221	Engineering of a near-infrared fluorescent probe for real-time simultaneous visualization of intracellular hypoxia and induced mitophagy. <i>Chemical Science</i> , 2018 , 9, 5347-5353	9.4	93
220	Gold nanorod-photosensitizer conjugate with extracellular pH-driven tumor targeting ability for photothermal/photodynamic therapy. <i>Nano Research</i> , 2014 , 7, 1291-1301	10	91
219	Two-dimensional graphitic carbon nitride nanosheets for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 212-223	11.8	89
218	Aptamer-conjugated nanomaterials for specific cancer cell recognition and targeted cancer therapy. <i>NPG Asia Materials</i> , 2014 , 6,	10.3	89
217	Recent Progress in Small-Molecule Near-IR Probes for Bioimaging. <i>Trends in Chemistry</i> , 2019 , 1, 224-234	14.8	88
216	Efficient Two-Photon Fluorescence Nanoprobe for Turn-On Detection and Imaging of Ascorbic Acid in Living Cells and Tissues. <i>Analytical Chemistry</i> , 2016 , 88, 6057-63	7.8	86
215	Ultrathin two-dimensional covalent organic framework nanoprobe for interference-resistant two-photon fluorescence bioimaging. <i>Chemical Science</i> , 2018 , 9, 8402-8408	9.4	86
214	NIR-II Driven Plasmon-Enhanced Catalysis for a Timely Supply of Oxygen to Overcome Hypoxia-Induced Radiotherapy Tolerance. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15069-15075	16.4	84
213	Engineering of Bioinspired, Size-Controllable, Self-Degradable Cancer-Targeting DNA Nanoflowers via the Incorporation of an Artificial Sandwich Base. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4282-4290	16.4	82
212	Entropy Beacon: A Hairpin-Free DNA Amplification Strategy for Efficient Detection of Nucleic Acids. <i>Analytical Chemistry</i> , 2015 , 87, 11714-20	7.8	81
211	Engineering a cell-surface aptamer circuit for targeted and amplified photodynamic cancer therapy. <i>ACS Nano</i> , 2013 , 7, 2312-9	16.7	78
210	A Smart DNAzyme-MnO ₂ Nanosystem for Efficient Gene Silencing. <i>Angewandte Chemie</i> , 2015 , 127, 4883-4887	16.7	77
209	Nitric Oxide-Activated "Dual-Key-One-Lock" Nanoprobe for in Vivo Molecular Imaging and High-Specificity Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13572-13581	16.4	76

208	Ratiometric Two-Photon Fluorescent Probe for in Vivo Hydrogen Polysulfides Detection and Imaging during Lipopolysaccharide-Induced Acute Organs Injury. <i>Analytical Chemistry</i> , 2016 , 88, 11892-11899	7.8	75
207	DNA Nanoflowers for Multiplexed Cellular Imaging and Traceable Targeted Drug Delivery. <i>Angewandte Chemie</i> , 2014 , 126, 5931-5936	3.6	75
206	Through-bond energy transfer-based ratiometric two-photon probe for fluorescent imaging of Pd(2+) ions in living cells and tissues. <i>Analytical Chemistry</i> , 2015 , 87, 4503-7	7.8	74
205	Rhodamine-based fluorescent probe for direct bio-imaging of lysosomal pH changes. <i>Talanta</i> , 2014 , 130, 356-62	6.2	73
204	Recent advances in DNAzyme-based gene silencing. <i>Science China Chemistry</i> , 2017 , 60, 591-601	7.9	72
203	A cell membrane-anchored fluorescent probe for monitoring carbon monoxide release from living cells. <i>Chemical Science</i> , 2019 , 10, 320-325	9.4	72
202	Visualization of Endoplasmic Reticulum Aminopeptidase 1 under Different Redox Conditions with a Two-Photon Fluorescent Probe. <i>Analytical Chemistry</i> , 2017 , 89, 7641-7648	7.8	70
201	A Smart Photosensitizer-Manganese Dioxide Nanosystem for Enhanced Photodynamic Therapy by Reducing Glutathione Levels in Cancer Cells. <i>Angewandte Chemie</i> , 2016 , 128, 5567-5572	3.6	70
200	Self-assembled Multifunctional DNA Nanoflowers for the Circumvention of Multidrug Resistance in Targeted Anticancer Drug Delivery. <i>Nano Research</i> , 2015 , 8, 3447-3460	10	68
199	A highly sensitive and reductant-resistant fluorescent probe for nitroxyl in aqueous solution and serum. <i>Chemical Communications</i> , 2014 , 50, 5790-2	5.8	65
198	Reactive Oxygen Correlated Chemiluminescent Imaging of a Semiconducting Polymer Nanoplatfom for Monitoring Chemodynamic Therapy. <i>Nano Letters</i> , 2020 , 20, 176-183	11.5	65
197	Hydrogen-Bond-Induced Emission of Carbon Dots for Wash-Free Nucleus Imaging. <i>Analytical Chemistry</i> , 2019 , 91, 9259-9265	7.8	64
196	Multiple functional nanoprobe for contrast-enhanced bimodal cellular imaging and targeted therapy. <i>Analytical Chemistry</i> , 2015 , 87, 4448-54	7.8	63
195	Progress and Challenges in Developing Aptamer-Functionalized Targeted Drug Delivery Systems. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 23784-822	6.3	62
194	A FRET-based ratiometric two-photon fluorescent probe for dual-channel imaging of nitroxyl in living cells and tissues. <i>Chemical Communications</i> , 2016 , 52, 733-6	5.8	61
193	Light-free Generation of Singlet Oxygen through Manganese-Thiophene Nanosystems for pH-Responsive Chemiluminescence Imaging and Tumor Therapy. <i>CheM</i> , 2020 , 6, 2314-2334	16.2	60
192	A Bioluminescent Probe for Imaging Endogenous Peroxynitrite in Living Cells and Mice. <i>Analytical Chemistry</i> , 2018 , 90, 4167-4173	7.8	60
191	Enhancing the Anti-Solvatochromic Two-Photon Fluorescence for Cirrhosis Imaging by Forming a Hydrogen-Bond Network. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7473-7477	16.4	60

190	A label-free electrochemical biosensor for highly sensitive and selective detection of DNA via a dual-amplified strategy. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 442-7	11.8	59
189	Biostable L-DNAzyme for Sensing of Metal Ions in Biological Systems. <i>Analytical Chemistry</i> , 2016 , 88, 1850-5	7.8	57
188	Visualization of oxidative injury in the mouse kidney using selective superoxide anion fluorescent probes. <i>Chemical Science</i> , 2018 , 9, 7606-7613	9.4	57
187	Efficient and Reliable MicroRNA Imaging in Living Cells via a FRET-Based Localized Hairpin-DNA Cascade Amplifier. <i>Analytical Chemistry</i> , 2019 , 91, 3675-3680	7.8	56
186	Two-Photon DNAzyme-Gold Nanoparticle Probe for Imaging Intracellular Metal Ions. <i>Analytical Chemistry</i> , 2018 , 90, 3118-3123	7.8	55
185	An efficient two-photon fluorescent probe for monitoring mitochondrial singlet oxygen in tissues during photodynamic therapy. <i>Chemical Communications</i> , 2016 , 52, 12330-12333	5.8	55
184	Efficient Two-Photon Fluorescent Probe for Glutathione S-Transferase Detection and Imaging in Drug-Induced Liver Injury Sample. <i>Analytical Chemistry</i> , 2017 , 89, 8097-8103	7.8	55
183	Clicking fluoroionophores onto mesoporous silicas: a universal strategy toward efficient fluorescent surface sensors for metal ions. <i>Analytical Chemistry</i> , 2010 , 82, 6343-6	7.8	55
182	therapeutic response monitoring by a self-reporting upconverting covalent organic framework nanoplatfrom. <i>Chemical Science</i> , 2019 , 11, 1299-1306	9.4	54
181	Molecular engineering of two-photon fluorescent probes for bioimaging applications. <i>Methods and Applications in Fluorescence</i> , 2017 , 5, 012003	3.1	53
180	Quench-Shield Ratiometric Upconversion Luminescence Nanoplatfrom for Biosensing. <i>Analytical Chemistry</i> , 2016 , 88, 1639-46	7.8	52
179	A two-photon fluorescent probe for bio-imaging of formaldehyde in living cells and tissues. <i>Analyst, The</i> , 2016 , 141, 3395-402	5	52
178	Aptamer-functionalized nanoscale metal-organic frameworks for targeted photodynamic therapy. <i>Theranostics</i> , 2018 , 8, 4332-4344	12.1	49
177	A General Strategy for Development of Activatable NIR-II Fluorescent Probes for In Vivo High-Contrast Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 800-805	16.4	48
176	Localizable and photoactivatable fluorophore for spatiotemporal two-photon bioimaging. <i>Analytical Chemistry</i> , 2015 , 87, 5626-31	7.8	47
175	An autoimmolative spacer allows first-time incorporation of a unique solid-state fluorophore into a detection probe for acyl hydrolases. <i>Chemistry - A European Journal</i> , 2010 , 16, 792-5	4.8	47
174	An Acidity-Unlocked Magnetic Nanoplatfrom Enables Self-Boosting ROS Generation through Upregulation of Lactate for Imaging-Guided Highly Specific Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9562-9572	16.4	47
173	Nanoscale Metal-Organic Framework Based Two-Photon Sensing Platfrom for Bioimaging in Live Tissue. <i>Analytical Chemistry</i> , 2019 , 91, 2727-2733	7.8	46

172	A MgO Nanoparticles Composite Matrix-Based Electrochemical Biosensor for Hydrogen Peroxide with High Sensitivity. <i>Electroanalysis</i> , 2010 , 22, 471-477	3	46
171	Smart Human-Serum-Albumin-As O Nanodrug with Self-Amplified Folate Receptor-Targeting Ability for Chronic Myeloid Leukemia Treatment. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10845-10849	16.4	45
170	Dye-Doped Fluorescent Silica Nanoparticles for Live Cell and In Vivo Bioimaging. <i>Nanomaterials</i> , 2016 , 6,	5.4	45
169	A "Double-Locked" and enzyme-activated molecular probe for accurate bioimaging and hepatopathy differentiation. <i>Chemical Science</i> , 2019 , 10, 10931-10936	9.4	45
168	Design Strategy of Fluorescent Probes for Live Drug-Induced Acute Liver Injury Imaging. <i>Accounts of Chemical Research</i> , 2021 , 54, 403-415	24.3	44
167	Detection of analytes in mitochondria without interference from other sites based on an innovative ratiometric fluorophore. <i>Chemical Science</i> , 2018 , 9, 5461-5466	9.4	44
166	DLISA: A DNzyme-Based ELISA for Protein Enzyme-Free Immunoassay of Multiple Analytes. <i>Analytical Chemistry</i> , 2015 , 87, 7746-53	7.8	43
165	Versatile synthesis of MnO nanolayers on upconversion nanoparticles and their application in inactivatable fluorescence and MRI imaging. <i>Chemical Science</i> , 2018 , 9, 5427-5434	9.4	43
164	A label-free DNzyme fluorescence biosensor for amplified detection of Pb(2+)-based on cleavage-induced G-quadruplex formation. <i>Talanta</i> , 2016 , 147, 302-6	6.2	42
163	Cell-SELEX-based aptamer-conjugated nanomaterials for cancer diagnosis and therapy. <i>National Science Review</i> , 2015 , 2, 71-84	10.8	42
162	In vivo imaging of alkaline phosphatase in tumor-bearing mouse model by a promising near-infrared fluorescent probe. <i>Talanta</i> , 2017 , 175, 421-426	6.2	41
161	CD109 is identified as a potential nasopharyngeal carcinoma biomarker using aptamer selected by cell-SELEX. <i>Oncotarget</i> , 2016 , 7, 55328-55342	3.3	41
160	Nucleic acid-functionalized nanomaterials for bioimaging applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16323		40
159	A two-photon fluorescent turn-on probe for imaging of SO ₂ derivatives in living cells and tissues. <i>Analytica Chimica Acta</i> , 2016 , 937, 136-42	6.6	39
158	In Situ Localization of Enzyme Activity in Live Cells by a Molecular Probe Releasing a Precipitating Fluorochrome. <i>Angewandte Chemie</i> , 2017 , 129, 11950-11954	3.6	39
157	Sequential Protein-Responsive Nanophotosensitizer Complex for Enhancing Tumor-Specific Therapy. <i>ACS Nano</i> , 2019 , 13, 6702-6710	16.7	38
156	Recent advances in molecular fluorescent probes for organic phosphate biomolecules recognition. <i>Chinese Chemical Letters</i> , 2019 , 30, 1775-1790	8.1	38
155	Supramolecular assembly affording a ratiometric two-photon fluorescent nanoprobe for quantitative detection and bioimaging. <i>Chemical Science</i> , 2017 , 8, 8214-8220	9.4	36

154	Rational Engineering of Bioinspired Anthocyanidin Fluorophores with Excellent Two-Photon Properties for Sensing and Imaging. <i>Analytical Chemistry</i> , 2017 , 89, 11427-11434	7.8	35
153	Cancer biomarker discovery using DNA aptamers. <i>Analyst, The</i> , 2016 , 141, 461-6	5	35
152	MicroRNA-Initiated and Intracellular Na-Fueled DNAzyme Motor for Differentiating Molecular Subtypes of Nonsmall Cell Lung Cancer. <i>Analytical Chemistry</i> , 2020 , 92, 7404-7408	7.8	34
151	Chromophore-Modified Highly Selective Ratiometric Upconversion Nanoprobes for Detection of ONOO ⁻ -Related Hepatotoxicity In Vivo. <i>Small</i> , 2019 , 15, e1902737	11	34
150	Engineering dithiobenzoic acid lactone-decorated Si-rhodamine as a highly selective near-infrared HOCl fluorescent probe for imaging drug-induced acute nephrotoxicity. <i>Chemical Communications</i> , 2019 , 55, 10916-10919	5.8	33
149	Aptamer-assembled nanomaterials for fluorescent sensing and imaging. <i>Nanophotonics</i> , 2017 , 6, 109-126	6.3	33
148	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2020 , 64, 1-33	7.9	33
147	Recent advances in organic-dye-based photoacoustic probes for biosensing and bioimaging. <i>Science China Chemistry</i> , 2019 , 62, 1275-1285	7.9	32
146	Monitoring Telomerase Activity in Living Cells with High Sensitivity Using Cascade Amplification Reaction-Based Nanoprobe. <i>Analytical Chemistry</i> , 2019 , 91, 13143-13151	7.8	31
145	Constructing Smart Protocells with Built-In DNA Computational Core to Eliminate Exogenous Challenge. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6912-6920	16.4	31
144	A general strategy for development of a single benzene fluorophore with full-color-tunable, environmentally insensitive, and two-photon solid-state emission. <i>Chemical Communications</i> , 2019 , 55, 11462-11465	5.8	30
143	Engineering a Reversible Fluorescent Probe for Real-Time Live-Cell Imaging and Quantification of Mitochondrial ATP. <i>Analytical Chemistry</i> , 2020 , 92, 4681-4688	7.8	30
142	Enhanced Targeted Gene Transduction: AAV2 Vectors Conjugated to Multiple Aptamers via Reducible Disulfide Linkages. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2-5	16.4	30
141	Targeted Bioimaging and Photodynamic Therapy Nanoplatfrom Using an Aptamer-Guided G-Quadruplex DNA Carrier and Near-Infrared Light. <i>Angewandte Chemie</i> , 2013 , 125, 14215-14219	3.6	30
140	DNA Amplifier-Functionalized Metal-Organic Frameworks for Multiplexed Detection and Imaging of Intracellular mRNA. <i>ACS Sensors</i> , 2020 , 5, 103-109	9.2	30
139	Red emissive carbon dots with dual targetability for imaging polarity in living cells. <i>Sensors and Actuators B: Chemical</i> , 2020 , 306, 127582	8.5	30
138	DNA micelle flares: a study of the basic properties that contribute to enhanced stability and binding affinity in complex biological systems. <i>Chemical Science</i> , 2016 , 7, 6041-6049	9.4	30
137	A novel ratiometric and reversible fluorescence probe with a large Stokes shift for Cu based on a new clamp-on unit. <i>Analytica Chimica Acta</i> , 2019 , 1065, 134-141	6.6	29

136	DNAzyme-Mediated Genetically Encoded Sensors for Ratiometric Imaging of Metal Ions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1891-1896	16.4	29
135	A Selective Near-Infrared Fluorescent Probe for In Vivo Imaging of Thiophenols from a Focused Library. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 3575-3582	4.5	28
134	High-Selectivity Fluorescent Reporter toward Peroxynitrite in a Coexisting Nonalcoholic Fatty Liver and Drug-Induced Liver Diseases Model. <i>Analytical Chemistry</i> , 2020 , 92, 11396-11404	7.8	28
133	Lesson from Nature: Biomimetic Self-Assembling Phthalocyanines for High-Efficient Photothermal Therapy within the Biological Transparent Window. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3800-3808	9.5	28
132	The Electrochemical Properties of Co(TPP), Tetraphenylborate Modified Glassy Carbon Electrode: Application to Dopamine and Uric Acid Analysis. <i>Electroanalysis</i> , 2006 , 18, 440-448	3	27
131	A dual factor activated metal-organic framework hybrid nanoplatfrom for photoacoustic imaging and synergetic photo-chemotherapy. <i>Nanoscale</i> , 2019 , 11, 20630-20637	7.7	27
130	A high-resolution mitochondria-targeting ratiometric fluorescent probe for detection of the endogenous hypochlorous acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 166, 129-134	4.4	26
129	A novel ratiometric two-photon fluorescent probe for imaging of Pd(2+) ions in living cells and tissues. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 166, 25-30	4.4	26
128	An efficient two-photon fluorescent probe for measuring α -glutamyltranspeptidase activity during the oxidative stress process in tumor cells and tissues. <i>Analyst, The</i> , 2017 , 142, 1813-1820	5	25
127	A membrane-anchored fluorescent probe for detecting K(+) in the cell microenvironment. <i>Chemical Communications</i> , 2016 , 52, 4679-82	5.8	25
126	An efficient ratiometric fluorescent excimer probe for hypochlorite based on a cofacial xanthene-bridged bispirene. <i>Analytical Methods</i> , 2014 , 6, 609-614	3.2	25
125	Evolving a Unique Red-Emitting Fluorophore with an Optically Tunable Hydroxy Group for Imaging Nitroreductase in Cells, in Tissues, and in Vivo. <i>Analytical Chemistry</i> , 2019 , 91, 15974-15981	7.8	25
124	Size-selective molecular recognition based on a confined DNA molecular sieve using cavity-tunable framework nucleic acids. <i>Nature Communications</i> , 2020 , 11, 1518	17.4	24
123	Learning from Artemisinin: Bioinspired Design of a Reaction-Based Fluorescent Probe for the Selective Sensing of Labile Heme in Complex Biosystems. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2129-2133	16.4	24
122	Enzymatic cleavage and mass amplification strategy for small molecule detection using aptamer-based fluorescence polarization biosensor. <i>Analytica Chimica Acta</i> , 2015 , 879, 91-6	6.6	24
121	Conjugated-Polymer-Based Nanomaterials for Photothermal Therapy. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 4258-4272	4.3	24
120	An efficient fluorescence turn-on probe for Al ³⁺ based on aggregation-induced emission. <i>Analytical Methods</i> , 2013 , 5, 3909	3.2	23
119	A novel ethacrynic acid sensor based on a lanthanide porphyrin complex in a PVC matrix. <i>Analyst, The</i> , 2000 , 125, 867-70	5	23

118	A long wavelength emission two-photon fluorescent probe for highly selective detection of cysteine in living cells and an inflamed mouse model. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3970-3975	7.3	22
117	Exploring the Trans-Cleavage Activity of CRISPR/Cas12a on Gold Nanoparticles for Stable and Sensitive Biosensing. <i>Analytical Chemistry</i> , 2021 , 93, 4967-4974	7.8	22
116	In Situ Imaging of Furin Activity with a Highly Stable Probe by Releasing of Precipitating Fluorochrome. <i>Analytical Chemistry</i> , 2018 , 90, 11680-11687	7.8	22
115	A universal aptameric biosensor: Multiplexed detection of small analytes via aggregated perylene-based broad-spectrum quencher. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 40-46	11.8	21
114	Hybridization chain reaction-based nanoprobe for cancer cell recognition and amplified photodynamic therapy. <i>Chemical Communications</i> , 2019 , 55, 3065-3068	5.8	21
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