

# Jian-Hui Jiang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/79444439/jian-hui-jiang-publications-by-citations.pdf>

**Version:** 2024-04-28

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.

220  
papers

7,686  
citations

40  
h-index

81  
g-index

227  
ext. papers

9,053  
ext. citations

6.9  
avg, IF

6.41  
L-index

#	Paper	IF	Citations
220	Lateral epitaxial growth of two-dimensional layered semiconductor heterojunctions. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 1024-30	28.7	858
219	Discerning the Chemistry in Individual Organelles with Small-Molecule Fluorescent Probes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13658-13699	16.4	484
218	Aptamers from cell-based selection for bioanalytical applications. <i>Chemical Reviews</i> , <b>2013</b> , 113, 2842-62	68.1	475
217	Highly sensitive and selective strategy for microRNA detection based on WS2 nanosheet mediated fluorescence quenching and duplex-specific nuclease signal amplification. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1361-5	7.8	311
216	Aqueous adsorption and removal of organic contaminants by carbon nanotubes. <i>Science of the Total Environment</i> , <b>2014</b> , 482-483, 241-51	10.2	266
215	Self-Assembled Graphene-Enzyme Hierarchical Nanostructures for Electrochemical Biosensing. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3366-3372	15.6	242
214	Electrostatic nucleic acid nanoassembly enables hybridization chain reaction in living cells for ultrasensitive mRNA imaging. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6829-36	16.4	241
213	Coatings super-repellent to ultralow surface tension liquids. <i>Nature Materials</i> , <b>2018</b> , 17, 1040-1047	27	190
212	Electrochemical aptasensor based on proximity-dependent surface hybridization assay for single-step, reusable, sensitive protein detection. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 15448-9	16.4	181
211	Enhancement of the Intrinsic Peroxidase-Like Activity of Graphitic Carbon Nitride Nanosheets by ssDNAs and Its Application for Detection of Exosomes. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12327-12333	7.8	156
210	A targeted, self-delivered, and photocontrolled molecular beacon for mRNA detection in living cells. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 12952-5	16.4	153
209	Imaging Endogenous Metal Ions in Living Cells Using a DNAzyme-Catalytic Hairpin Assembly Probe. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8721-8725	16.4	137
208	Graphitic Carbon Nitride Nanosheets-Based Ratiometric Fluorescent Probe for Highly Sensitive Detection of HO and Glucose. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33439-33445	9.5	130
207	Genetically Encoded Fluorescent RNA Sensor for Ratiometric Imaging of MicroRNA in Living Tumor Cells. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9779-9782	16.4	130
206	Activity-based DNA-gold nanoparticle probe as colorimetric biosensor for DNA methyltransferase/glycosylase assay. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 4376-83	7.8	112
205	Cell membrane-anchored biosensors for real-time monitoring of the cellular microenvironment. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 13090-3	16.4	106
204	A fluorescent graphitic carbon nitride nanosheet biosensor for highly sensitive, label-free detection of alkaline phosphatase. <i>Nanoscale</i> , <b>2016</b> , 8, 4727-32	7.7	82

203	Amphiphilic BODIPY-Based Photoswitchable Fluorescent Polymeric Nanoparticles for Rewritable Patterning and Dual-Color Cell Imaging. <i>Macromolecules</i> , <b>2015</b> , 48, 3500-3508	5.5	79
202	SELF-MODELING CURVE RESOLUTION (SMCR): PRINCIPLES, TECHNIQUES, AND APPLICATIONS. <i>Applied Spectroscopy Reviews</i> , <b>2002</b> , 37, 321-345	4.5	67
201	Nucleic Acid Aptamers for Molecular Diagnostics and Therapeutics: Advances and Perspectives. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2221-2231	16.4	65
200	Plasmonic ELISA for the ultrasensitive detection of <i>Treponema pallidum</i> . <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 58, 314-9	11.8	62
199	Branched Hybridization Chain Reaction Circuit for Ultrasensitive Localizable Imaging of mRNA in Living Cells. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 1502-1505	7.8	61
198	Melanin-Like Nanoquencher on Graphitic Carbon Nitride Nanosheets for Tyrosinase Activity and Inhibitor Assay. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8355-8	7.8	59
197	Isothermal nucleic acid amplification strategy by cyclic enzymatic repairing for highly sensitive microRNA detection. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 6763-7	7.8	57
196	Graphene oxide-hairpin probe nanocomposite as a homogeneous assay platform for DNA base excision repair screening. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 41, 359-65	11.8	54
195	Engineering Organelle-Specific Molecular Viscosimeters Using Aggregation-Induced Emission Luminogens for Live Cell Imaging. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 8736-8741	7.8	53
194	Removal, recovery and enrichment of metals from aqueous solutions using carbon nanotubes. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2014</b> , 299, 1155-1163	1.5	51
193	Engineering HO Self-Supplying Nanotheranostic Platform for Targeted and Imaging-Guided Chemodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 288-297	9.5	51
192	A highly sensitive label-free sensor for Mercury ion (Hg <sup>2+</sup> ) by inhibiting thioflavin T as DNA G-quadruplexes fluorescent inducer. <i>Talanta</i> , <b>2014</b> , 122, 85-90	6.2	50
191	Nanomaterial-based fluorescent probes for live-cell imaging. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 58, 130-144	14.6	49
190	Protein scaffolded DNA tetrads enable efficient delivery and ultrasensitive imaging of miRNA through crosslinking hybridization chain reaction. <i>Chemical Science</i> , <b>2018</b> , 9, 4892-4897	9.4	47
189	A novel graphene oxide based fluorescent nanosensing strategy with hybridization chain reaction signal amplification for highly sensitive biothiol detection. <i>Chemical Communications</i> , <b>2014</b> , 50, 11879-82	5.8	47
188	A ligation-based loop-mediated isothermal amplification (ligation-LAMP) strategy for highly selective microRNA detection. <i>Chemical Communications</i> , <b>2016</b> , 52, 12721-12724	5.8	47
187	Spinach-based fluorescent light-up biosensors for multiplexed and label-free detection of microRNAs. <i>Chemical Communications</i> , <b>2018</b> , 54, 3010-3013	5.8	45
186	In Situ Imaging of Individual mRNA Mutation in Single Cells Using Ligation-Mediated Branched Hybridization Chain Reaction (Ligation-bHCR). <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3445-3451	7.8	44

185	A sensitive electrochemical biosensor for microRNA detection based on streptavidin-gold nanoparticles and enzymatic amplification. <i>Analytical Methods</i> , <b>2014</b> , 6, 2889-2893	3.2	44
184	A novel label-free fluorescence aptamer-based sensor method for cocaine detection based on isothermal circular strand-displacement amplification and graphene oxide absorption. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 3998	3.6	41
183	Three-way data resolution by alternating slice-wise diagonalization (ASD) method. <i>Journal of Chemometrics</i> , <b>2000</b> , 14, 15-36	1.6	41
182	Cobalt oxyhydroxide nanoflakes with intrinsic peroxidase catalytic activity and their application to serum glucose detection. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 4225-4232	4.4	40
181	Conjugated polymer nanoparticles-based fluorescent biosensor for ultrasensitive detection of hydroquinone. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1012, 60-65	6.6	40
180	A novel fluorescent probe for sensitive detection and imaging of hydrazine in living cells. <i>Talanta</i> , <b>2017</b> , 162, 225-231	6.2	40
179	Nucleic acid-functionalized nanomaterials for bioimaging applications. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 16323		40
178	Determination of the number of components in mixtures using a new approach incorporating chemical information. <i>Journal of Chemometrics</i> , <b>1999</b> , 13, 15-30	1.6	38
177	RNA imaging in living mice enabled by an hybridization chain reaction circuit with a tripartite DNA probe. <i>Chemical Science</i> , <b>2020</b> , 11, 62-69	9.4	38
176	Tumor-Targeted Graphitic Carbon Nitride Nanoassembly for Activatable Two-Photon Fluorescence Imaging. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 4649-4656	7.8	36
175	Resolution of two-way data from spectroscopic monitoring of reaction or process systems by parallel vector analysis (PVA) and window factor analysis (WFA): inspection of the effect of mass balance, methods and simulations. <i>Journal of Chemometrics</i> , <b>2003</b> , 17, 186-197	1.6	36
174	Developing Activity Localization Fluorescence Peptide Probe Using Thiol-Ene Click Reaction for Spatially Resolved Imaging of Caspase-8 in Live Cells. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7867-72	7.8	36
173	Imaging Endogenous Metal Ions in Living Cells Using a DNAzyme-Catalytic Hairpin Assembly Probe. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8847-8851	3.6	35
172	DNA Polymer Nanoparticles Programmed via Supersandwich Hybridization for Imaging and Therapy of Cancer Cells. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12951-12958	7.8	35
171	Investigations of bagged kernel partial least squares (KPLS) and boosting KPLS with applications to near-infrared (NIR) spectra. <i>Journal of Chemometrics</i> , <b>2006</b> , 20, 436-444	1.6	33
170	A novel off-on fluorescent probe for sensitive imaging of mitochondria-specific nitroreductase activity in living tumor cells. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 4383-4389	3.9	32
169	Cell Surface-Anchored DNA Nanomachine for Dynamically Tunable Sensing and Imaging of Extracellular pH. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 11198-11202	7.8	32
168	Tumor-selective catalytic nanosystem for activatable theranostics. <i>Chemical Communications</i> , <b>2018</b> , 54, 8214-8217	5.8	32

167	Ultrasensitive detection of microRNAs using catalytic hairpin assembly coupled with enzymatic repairing amplification. <i>Chemical Communications</i> , <b>2016</b> , 52, 13584-13587	5.8	31
166	Peptide-templated gold nanoclusters as a novel label-free biosensor for the detection of protease activity. <i>RSC Advances</i> , <b>2014</b> , 4, 13753-13756	3.7	30
165	A Sensitive Electrochemical Immunosensor for Fetoprotein Detection with Colloidal Gold-Based Dextrin Enzyme Complex Amplification. <i>Electroanalysis</i> , <b>2010</b> , 22, 244-250	3	30
164	Activatable Fluorescence Probe via Self-Immolative Intramolecular Cyclization for Histone Deacetylase Imaging in Live Cells and Tissues. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5534-5539	7.8	29
163	Enzyme-free, signal-amplified nucleic acid circuits for biosensing and bioimaging analysis. <i>Analyst, The</i> , <b>2017</b> , 142, 3048-3061	5	29
162	Label-Free Electrochemical Biosensor of Mercury Ions Based on DNA Strand Displacement by Thymine-Hg(II)-Thymine Complex. <i>Electroanalysis</i> , <b>2010</b> , 22, 2110-2116	3	29
161	A novel mitochondria-targeted near-infrared fluorescence probe for ultrafast and ratiometric detection of SO derivatives in live cells. <i>Talanta</i> , <b>2017</b> , 168, 203-209	6.2	28
160	Single-Nanoparticle ICPMS DNA Assay Based on Hybridization-Chain-Reaction-Mediated Spherical Nucleic Acid Assembly. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2379-2382	7.8	28
159	DNA-stabilized silver nanoclusters with guanine-enhanced fluorescence as a novel indicator for enzymatic detection of cholesterol. <i>Analytical Methods</i> , <b>2013</b> , 5, 2182	3.2	28
158	Design and fabrication of fluorescence resonance energy transfer-mediated fluorescent polymer nanoparticles for ratiometric sensing of lysosomal pH. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 484, 298-307	9.3	28
157	Self-Assembly of a Dual-Targeting and Self-Calibrating Ratiometric Polymer Nanoprobe for Accurate Hypochlorous Acid Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 45822-45829	9.5	27
156	Human mesenchymal-stem-cells-derived exosomes are important in enhancing porcine islet resistance to hypoxia. <i>Xenotransplantation</i> , <b>2018</b> , 25, e12405	2.8	26
155	Nanopore biosensor for sensitive and label-free nucleic acid detection based on hybridization chain reaction amplification. <i>Talanta</i> , <b>2017</b> , 175, 121-126	6.2	25
154	Alternating coupled vectors resolution (ACOVER) method for trilinear analysis of three-way data. <i>Journal of Chemometrics</i> , <b>1999</b> , 13, 557-578	1.6	25
153	Multivalent Self-Assembled DNA Polymer for Tumor-Targeted Delivery and Live Cell Imaging of Telomerase Activity. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 13188-13192	7.8	24
152	A novel two-photon fluorescent probe with a long Stokes shift and a high signal-to-background ratio for human NAD(P)H:quinone oxidoreductase 1 (hNQO1) detection and imaging in living cells and tissues. <i>Analyst, The</i> , <b>2017</b> , 142, 2624-2630	5	23
151	Mass Spectrometry Based Ultrasensitive DNA Methylation Profiling Using Target Fragmentation Assay. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1083-7	7.8	23
150	A novel DNase-based colorimetric assay for the detection of hOGG1 activity with lambda exonuclease cleavage. <i>Analytical Methods</i> , <b>2013</b> , 5, 164-168	3.2	23

149	An electrochemical assay of polynucleotide kinase activity based on streptavidin-gold nanoparticles and enzymatic amplification. <i>RSC Advances</i> , <b>2013</b> , 3, 18128	3.7	23
148	Network training and architecture optimization by a recursive approach and a modified genetic algorithm. <i>Journal of Chemometrics</i> , <b>1996</b> , 10, 253-267	1.6	23
147	Aptamer-based fluorometric determination of ATP by using target-cycling strand displacement amplification and copper nanoclusters. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 4183-4188	5.8	22
146	Programmable Self-Assembly of Protein-Scaffolded DNA Nanohydrogels for Tumor-Targeted Imaging and Therapy. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 2610-2614	7.8	22
145	Crosslinking catalytic hairpin assembly for high-contrast imaging of multiple mRNAs in living cells. <i>Chemical Communications</i> , <b>2019</b> , 55, 3899-3902	5.8	22
144	Construction of Organelle-Like Architecture by Dynamic DNA Assembly in Living Cells. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20651-20658	16.4	22
143	Proton-Fueled, Reversible DNA Hybridization Chain Assembly for pH Sensing and Imaging. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 6944-6947	7.8	21
142	A label-free electrochemical impedance immunosensor for the sensitive detection of aflatoxin B1. <i>Analytical Methods</i> , <b>2015</b> , 7, 2354-2359	3.2	21
141	Dry film method with ytterbium as the internal standard for near infrared spectroscopic plasma glucose assay coupled with boosting support vector regression. <i>Journal of Chemometrics</i> , <b>2006</b> , 20, 13-21	1.6	21
140	Recent progress in gold nanoparticle-based biosensing and cellular imaging. <i>Science China Chemistry</i> , <b>2016</b> , 59, 783-793	7.9	21
139	Amplified Split Aptamer Sensor Delivered Using Block Copolymer Nanoparticles for Small Molecule Imaging in Living Cells. <i>ACS Sensors</i> , <b>2018</b> , 3, 2526-2531	9.2	21
138	Light-up RNA aptamer enabled label-free protein detection via a proximity induced transcription assay. <i>Chemical Communications</i> , <b>2018</b> , 54, 8877-8880	5.8	20
137	A label free exonuclease III-aided fluorescence assay for adenosine triphosphate based on graphene oxide and ligation reaction. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 927	3.6	20
136	A ratiometric fluorescent pH probe based on keto-enol tautomerization for imaging of living cells in extreme acidity. <i>Analyst, The</i> , <b>2017</b> , 142, 3906-3912	5	20
135	Mitochondrion-Targeting, Environment-Sensitive Red Fluorescent Probe for Highly Sensitive Detection and Imaging of Vicinal Dithiol-Containing Proteins. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 11203-11207	7.8	19
134	Aptamer-based optical manipulation of protein subcellular localization in cells. <i>Nature Communications</i> , <b>2020</b> , 11, 1347	17.4	19
133	Genetically encoded light-up RNA aptamers and their applications for imaging and biosensing. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 3382-3392	7.3	19
132	Engineering an NIR rhodol derivative with spirocyclic ring-opening activation for high-contrast photoacoustic imaging. <i>Chemical Science</i> , <b>2019</b> , 10, 9257-9264	9.4	19

131	High sensitive detection of near-infrared absorption by surface plasmon resonance. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 2232-2234	3.4	19
130	A bipedal DNA nanowalker fueled by catalytic assembly for imaging of base-excision repairing in living cells. <i>Chemical Science</i> , <b>2020</b> , 11, 10361-10366	9.4	18
129	Mitochondrial-targeted near-infrared fluorescence probe for selective detection of fluoride ions in living cells. <i>Talanta</i> , <b>2019</b> , 204, 655-662	6.2	17
128	A non-linear mapping-based generalized backpropagation network for unsupervised learning. <i>Journal of Chemometrics</i> , <b>1996</b> , 10, 241-252	1.6	17
127	A label-free and highly sensitive strategy for uracil-DNA glycosylase activity detection based on stem-loop primer-mediated exponential amplification (SPEA). <i>Analytica Chimica Acta</i> , <b>2017</b> , 991, 127-132	6.6	16
126	Nucleic acid amplification-based methods for microRNA detection. <i>Analytical Methods</i> , <b>2015</b> , 7, 2258-2263	3.2	16
125	Electrochemical Aptasensor Based on Proximity-Dependent Surface Hybridization Assay for Protein Detection. <i>Electroanalysis</i> , <b>2009</b> , 21, 1327-1333	3	16
124	Surface Enhanced Laser Desorption Ionization of Phospholipids on Gold Nanoparticles for Mass Spectrometric Immunoassay. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9881-9884	7.8	15
123	Plasmon Coupling Enhanced Raman Scattering Nanobeacon for Single-Step, Ultrasensitive Detection of Cholera Toxin. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7447-52	7.8	15
122	Target induced reconstruction of DNAzymatic amplifier nanomachines in living cells for concurrent imaging and gene silencing. <i>Chemical Communications</i> , <b>2018</b> , 54, 10626-10629	5.8	15
121	Aptamer-Directed Protein-Specific Multiple Modifications of Membrane Glycoproteins on Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 37845-37850	9.5	15
120	Mitochondrion-Targeting Fluorescence Probe via Reduction Induced Charge Transfer for Fast Methionine Sulfoxide Reductases Imaging. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 5489-5493	7.8	14
119	Enzymatic activatable self-assembled peptide nanowire for targeted therapy and fluorescence imaging of tumors. <i>Chemical Communications</i> , <b>2016</b> , 52, 3631-4	5.8	14
118	Survey of Four Groups of Cumulative Pesticide Residues in 12 Vegetables in 15 Provinces in China. <i>Journal of Food Protection</i> , <b>2018</b> , 81, 377-385	2.5	14
117	Aggregation-Induced Emission-Based Fluorescence Probe for Fast and Sensitive Imaging of Formaldehyde in Living Cells. <i>ACS Omega</i> , <b>2018</b> , 3, 14417-14422	3.9	14
116	Proximity-induced hybridization chain assembly with small-molecule linked DNA for single-step amplified detection of antibodies. <i>Chemical Communications</i> , <b>2019</b> , 55, 4387-4390	5.8	13
115	A single promoter system co-expressing RNA sensor with fluorescent proteins for quantitative mRNA imaging in living tumor cells. <i>Chemical Science</i> , <b>2019</b> , 10, 4828-4833	9.4	13
114	Simultaneous detection of multiple inherited metabolic diseases using GC-MS urinary metabolomics by chemometrics multi-class classification strategies. <i>Talanta</i> , <b>2018</b> , 186, 489-496	6.2	13

113	A multiplex paper-based nanobiocatalytic system for simultaneous determination of glucose and uric acid in whole blood. <i>Analyst, The</i> , <b>2018</b> , 143, 4422-4428	5	13
112	Coupled vectors resolution method for chemometric calibration with three-way data. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 4254-62	7.8	13
111	Graphene oxide-peptide nanoassembly as a general approach for monitoring the activity of histone deacetylases. <i>Analyst, The</i> , <b>2016</b> , 141, 3989-92	5	13
110	BEAMing LAMP: single-molecule capture and on-bead isothermal amplification for digital detection of hepatitis C virus in plasma. <i>Chemical Communications</i> , <b>2018</b> , 54, 291-294	5.8	13
109	An azidocoumarin-based fluorescent probe for imaging lysosomal hydrogen sulfide in living cells. <i>Analytical Methods</i> , <b>2017</b> , 9, 2859-2864	3.2	12
108	ICP-MS DNA assay based on lanthanide labels and hybridization chain reaction amplification. <i>Analytical Methods</i> , <b>2015</b> , 7, 5767-5771	3.2	12
107	In vivo mRNA imaging based on tripartite DNA probe mediated catalyzed hairpin assembly. <i>Chemical Communications</i> , <b>2020</b> , 56, 8782-8785	5.8	12
106	Osiers-sprout-like heteroatom-doped carbon nanofibers as ultrastable anodes for lithium/sodium ion storage. <i>Nano Research</i> , <b>2018</b> , 11, 3791-3801	10	12
105	Recombinant Fusion Streptavidin as a Scaffold for DNA Nanotetrads for Nucleic Acid Delivery and Telomerase Activity Imaging in Living Cells. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 9361-9365	7.8	12
104	DNA template-synthesized silver nanoparticles: A new platform for high-performance fluorescent biosensing of biothiols. <i>Science China Chemistry</i> , <b>2011</b> , 54, 1266-1272	7.9	12
103	Chemical rank estimation for excitation-emission matrices using a morphological approach. <i>Journal of Chemometrics</i> , <b>1998</b> , 12, 95-104	1.6	12
102	Analyzing Raman images of polymer blends by sample-sample two-dimensional correlation spectroscopy. <i>Analyst, The</i> , <b>2003</b> , 128, 1097-1103	5	11
101	Robust linear discriminant analysis for chemical pattern recognition. <i>Journal of Chemometrics</i> , <b>1999</b> , 13, 3-13	1.6	11
100	Gold Nanoflares with Computing Function as Smart Diagnostic Automata for Multi-miRNA Patterns in Living Cells. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10925-10929	7.8	11
99	Single-step, high-specificity detection of single nucleotide mutation by primer-activatable loop-mediated isothermal amplification (PA-LAMP). <i>Analytica Chimica Acta</i> , <b>2019</b> , 1050, 132-138	6.6	11
98	Development of large Stokes shift, near-infrared fluorescence probe for rapid and bioorthogonal imaging of nitroxyl (HNO) in living cells. <i>Talanta</i> , <b>2019</b> , 193, 152-160	6.2	11
97	A novel mitochondrial-targeting near-infrared fluorescent probe for imaging $\beta$ -glutamyl transpeptidase activity in living cells. <i>Analyst, The</i> , <b>2018</b> , 143, 5530-5535	5	11
96	Desorption corona beam ionisation (DCBI) mass spectrometry for in-situ analysis of adsorbed phenol in cigarette acetate fiber filter. <i>Talanta</i> , <b>2015</b> , 131, 499-504	6.2	10



95	Simultaneous imaging of lysosomal and mitochondrial viscosity during mitophagy using molecular rotors with dual-color emission. <i>Chemical Communications</i> , <b>2020</b> , 56, 7797-7800	5.8	10
94	In situ conversion of layered double hydroxide arrays into nanoflowers of Ni <sub>3</sub> V <sub>2</sub> (OH) <sub>8</sub> -MOF as a highly efficient and stable electrocatalyst for the oxygen evolution reaction. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 4509-4512	5.5	10
93	Activatable CRISPR Transcriptional Circuits Generate Functional RNA for mRNA Sensing and Silencing. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 18599-18604	16.4	10
92	A tumour mRNA-triggered nanoassembly for enhanced fluorescence imaging-guided photodynamic therapy. <i>Nanoscale</i> , <b>2020</b> , 12, 8727-8731	7.7	10
91	Multiplex protein pattern unmixing using a non-linear variable-weighted support vector machine as optimized by a particle swarm optimization algorithm. <i>Talanta</i> , <b>2016</b> , 147, 609-14	6.2	10
90	Small molecule-linked programmable DNA for washing-free imaging of cell surface biomarkers. <i>Talanta</i> , <b>2018</b> , 190, 429-435	6.2	10
89	A simple and highly sensitive DNAzyme-based assay for nicotinamide adenine dinucleotide by ligase-mediated inhibition of strand displacement amplification. <i>Analytica Chimica Acta</i> , <b>2014</b> , 844, 70-4	6.6	10
88	Enzyme-free electrochemical biosensor based on amplification of proximity-dependent surface hybridization chain reaction for ultrasensitive mRNA detection. <i>Talanta</i> , <b>2021</b> , 222, 121536	6.2	10
87	DNAzyme activated protein-scaffolded CRISPR-Cas9 nanoassembly for genome editing. <i>Chemical Communications</i> , <b>2019</b> , 55, 6511-6514	5.8	9
86	A novel molecular logic system based on lead-induced substitution of potassium from a G-quadruplex as a fluorescent lead sensor. <i>Analytical Methods</i> , <b>2013</b> , 5, 5597	3.2	9
85	Graphene/β-emitter hybrid nanosheets as a label-free colorimetric platform for DNA and small molecule assays. <i>RSC Advances</i> , <b>2014</b> , 4, 64252-64257	3.7	9
84	Encapsulation of ionic nanoparticles produces reactive oxygen species (ROS)-responsive microgel useful for molecular detection. <i>Chemical Communications</i> , <b>2018</b> , 54, 4329-4332	5.8	8
83	Conformational switching of G-quadruplexes as a label-free platform for the fluorescence detection of Ag <sup>+</sup> and biothiols. <i>Analytical Methods</i> , <b>2016</b> , 8, 311-315	3.2	8
82	A Sensitive Electrochemical Biosensor for Detection of Histone Deacetylase Activity Using an Acetylated Peptide. <i>Electroanalysis</i> , <b>2012</b> , 24, 2365-2370	3	8
81	Studying the uptake of aniline vapor by active alumina through in-line monitoring a differential adsorption bed with near-infrared diffuse reflectance spectroscopy. <i>Adsorption</i> , <b>2009</b> , 15, 23-29	2.6	8
80	Three-dimensional DNA nanostructures for dual-color microRNA imaging in living cells via hybridization chain reaction. <i>Chemical Communications</i> , <b>2020</b> , 56, 6668-6671	5.8	8
79	DNA-Programmed plasmonic ELISA for the ultrasensitive detection of protein biomarkers. <i>Analyst, The</i> , <b>2020</b> , 145, 4860-4866	5	7
78	Self-Tracking Multifunctional Nanotheranostics for Sensitive miRNA Imaging Guided Photodynamic Therapy.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 2597-2603	4.1	7

77	Graphitic carbon nitride nanosheets-based turn-on fluorescent biosensor for highly sensitive, label-free detection of adenylate kinase activity. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 267, 231-236	8.5	7
76	An activatable fluorescent probe with an ultrafast response and large Stokes shift for live cell bioimaging of hypochlorous acid. <i>RSC Advances</i> , <b>2016</b> , 6, 107910-107915	3.7	7
75	Determination of benzo[a]pyrene in cigarette mainstream smoke by using mid-infrared spectroscopy associated with a novel chemometric algorithm. <i>Analytica Chimica Acta</i> , <b>2016</b> , 902, 43-49	6.6	7
74	Label-free and sensitive detection of micrococcal nuclease activity using DNA-scaffolded silver nanoclusters as a fluorescence indicator. <i>Analytical Methods</i> , <b>2014</b> , 6, 4090	3.2	7
73	A Piezoelectric Immunosensor Based on Agglutination Reaction with Amplification of Silica Nanoparticles. <i>Chinese Journal of Chemistry</i> , <b>2008</b> , 26, 2191-2196	4.9	7
72	Cascade Circuits on Self-Assembled DNA Polymers for Targeted RNA Imaging In Vivo. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 15953-15958	7.8	7
71	DNAzyme cascade circuits in highly integrated DNA nanomachines for sensitive microRNAs imaging in living cells. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 177, 112976	11.8	7
70	An intramolecular charge transfer and excited state intramolecular proton transfer based fluorescent probe for highly selective detection and imaging of formaldehyde in living cells. <i>Analyst, The</i> , <b>2019</b> , 144, 6922-6927	5	7
69	Culturing with modified EGM2 medium enhances porcine neonatal islet-like cell clusters resistance to apoptosis in islet xenotransplantation. <i>Xenotransplantation</i> , <b>2018</b> , 25, e12358	2.8	7
68	Enzyme mediated assembly of gold nanoparticles for ultrasensitive colorimetric detection of hepatitis C virus antibody. <i>Analytical Methods</i> , <b>2017</b> , 9, 3777-3781	3.2	6
67	Coupling bootstrap with synergy self-organizing map-based orthogonal partial least squares discriminant analysis: Stable metabolic biomarker selection for inherited metabolic diseases. <i>Talanta</i> , <b>2020</b> , 219, 121370	6.2	6
66	New Heteropolycyclic Structures for Fluoride Anion Sensing by Naked-Eye Visualization. <i>ChemistrySelect</i> , <b>2018</b> , 3, 2336-2342	1.8	6
65	Graphene oxide based DNA nanoswitches as a programmable pH-responsive biosensor. <i>Analytical Methods</i> , <b>2016</b> , 8, 6982-6985	3.2	6
64	Adaptive wavelet packet transform for support vector machine modeling as globally optimized by particle swarm optimization algorithm. <i>Analytical Methods</i> , <b>2015</b> , 7, 5108-5113	3.2	6
63	A novel label-free biosensor based on self-assembled aptamer/GO architecture for sensitive detection of biomolecules. <i>Analytical Methods</i> , <b>2015</b> , 7, 5606-5610	3.2	6
62	Homogeneous label-free fluorescent assay of small molecule-protein interactions using protein binding-inhibited transcription nanomachine. <i>Science China Chemistry</i> , <b>2011</b> , 54, 1277-1283	7.9	6
61	Quantitative Structure-Activity Relationship Studies for the Binding Affinities of Imidazobenzodiazepines for the $\beta$ Benzodiazepine Receptor Isoform Utilizing Optimized Blockwise Variable Combination by Particle Swarm Optimization for Partial Least Squares Modeling. <i>QSAR and Combinatorial Science</i> , <b>2007</b> , 26, 92-101		6
60	Non-linear discriminant feature extraction using generalized back-propagation network. <i>Journal of Chemometrics</i> , <b>1996</b> , 10, 281-294	1.6	6

59	Single-Nanoparticle ICP-MS for Sensitive Detection of Uracil-DNA Glycosylase Activity. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 8381-8385	7.8	6
58	Homogeneous label-free protein binding assay using small-molecule-labeled DNA nanomachine with DNAzyme-Based chemiluminescence detection. <i>Talanta</i> , <b>2020</b> , 206, 120175	6.2	6
57	A near infrared fluorescent probe for the detection and imaging of prolyl aminopeptidase activity in living cells. <i>Analyst, The</i> , <b>2019</b> , 144, 5980-5985	5	5
56	Single particle ICP-MS-based absolute and relative quantification of E. coli O157 16S rRNA using sandwich hybridization capture. <i>Analyst, The</i> , <b>2019</b> , 144, 1725-1730	5	5
55	An Aptamer-Based Competitive Fluorescence Quenching Assay for IgE. <i>Analytical Letters</i> , <b>2011</b> , 44, 1301-1309	5	5
54	A bispecific circular aptamer tethering a built-in universal molecular tag for functional protein delivery. <i>Chemical Science</i> , <b>2020</b> , 11, 9648-9654	9.4	5
53	Precise Deposition of Polydopamine on Cancer Cell Membrane as Artificial Receptor for Targeted Drug Delivery. <i>iScience</i> , <b>2020</b> , 23, 101750	6.1	4
52	Loop-mediated isothermal amplification (LAMP): real-time methods for the detection of the survivin gene in cancer cells. <i>Analytical Methods</i> , <b>2016</b> , 8, 6277-6283	3.2	4
51	Silver nanocluster-lightened hybridization chain reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 57502-57506	3.7	4
50	Construction of Organelle-Like Architecture by Dynamic DNA Assembly in Living Cells. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20832-20839	3.6	4
49	Digital Loop-Mediated Isothermal Amplification-Based Absolute Methylation Quantification Revealed Hypermethylated DAPK1 in Cervical Cancer Patients. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 8077-8083	7.8	4
48	Engineering of Exciton Spatial Distribution in CdS Nanoplatelets. <i>Nano Letters</i> , <b>2021</b> , 21, 5201-5208	11.5	4
47	A DNA-mediated crosslinking strategy to enhance cellular delivery and sensor performance of protein spherical nucleic acids. <i>Chemical Science</i> , <b>2020</b> , 12, 1803-1809	9.4	4
46	Engineering G-quadruplex aptamer to modulate its binding specificity. <i>National Science Review</i> , <b>2021</b> , 8, nwaa202	10.8	4
45	An activatable near-infrared fluorescent probe facilitated high-contrast lipophagic imaging in live cells. <i>Chemical Communications</i> , <b>2021</b> , 57, 8664-8667	5.8	4
44	Melting temperature of molecular beacons as an indicator of the ligase detection reaction for multiplex detection of point mutations. <i>Analytical Methods</i> , <b>2015</b> , 7, 4225-4230	3.2	3
43	Mass spectrometry based trinucleotide repeat sequence detection using target fragment assay. <i>Analytical Methods</i> , <b>2016</b> , 8, 5039-5044	3.2	3
42	Determination of Lead(II) by a Nitrocellulose Membrane Fluorescent Biosensor Based on G-Quadruplex Conformational Changes. <i>Analytical Letters</i> , <b>2014</b> , 47, 2341-2349	2.2	3

41	Gold nanoparticle supported phospholipid membranes as a biomimetic biosensor platform for phosphoinositide signaling detection. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 62, 113-9	11.8	3
40	Terminal protection of small molecule-linked DNA for small molecule-protein interaction assays. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 5221-32	6.3	3
39	A Simple and Sensitive Piezoelectric Immunosensor for Cholera Toxin Based on GM1-Incorporated Liposome Agglutination. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 28, 1678-1684	4.9	3
38	Aspects of recent developments in analytical chemometrics. <i>Science in China Series B: Chemistry</i> , <b>2006</b> , 49, 193-203		3
37	DNAzyme-Triggered Sol-Gel-Sol Transition of a Hydrogel Allows Target Cell Enrichment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 15031-15039	9.5	3
36	Expanding the codes: The development of density-encoded hydrogel microcarriers for suspension arrays. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 181, 113133	11.8	3
35	A novel algorithm for second-order calibration of three-way data in fluorescence assays of multiple breast cancer-related DNAs. <i>Talanta</i> , <b>2019</b> , 195, 433-440	6.2	3
34	Nucleic Acid Aptamers for Molecular Diagnostics and Therapeutics: Advances and Perspectives. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2249-2259	3.6	3
33	Programming DNA cascade circuits on live cell membranes for accurate cancer cell recognition and gene silencing. <i>Chemical Communications</i> , <b>2021</b> , 57, 3816-3819	5.8	3
32	Clicking of organelle-enriched probes for fluorogenic imaging of autophagic and endocytic fluxes. <i>Chemical Science</i> , <b>2021</b> , 12, 5834-5842	9.4	3
31	"Repaired and Activated" DNAzyme Enables the Monitoring of DNA Alkylation Repair in Live Cells. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19889-19896	16.4	3
30	Fluorescence determination of the activity of O-methylguanine-DNA methyltransferase based on the activation of restriction endonuclease and the use of graphene oxide. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 300	5.8	2
29	Fluorescence amplification detection via terminal protection of small molecule-protein interactions. <i>RSC Advances</i> , <b>2015</b> , 5, 107179-107184	3.7	2
28	A Ligation Triggered Label-Free Fluorescent Assay for Adenosine-Triphosphate Based on Nicking Endonuclease Signal Amplification and Ligand Responsive G-Quadruplex Formation. <i>Analytical Letters</i> , <b>2013</b> , 46, 1097-1107	2.2	2
27	Nonlinear Multivariate Calibration of Shelf Life of Preserved Eggs (Pidan) by Near Infrared Spectroscopy: Stacked Least Squares Support Vector Machine with Ensemble Preprocessing. <i>Journal of Spectroscopy</i> , <b>2013</b> , 2013, 1-7	1.5	2
26	Synthesis, Structure and Growth Mechanism of Size and Shape Tunable Au/Ag Bimetallic Nanoparticles. <i>Chinese Journal of Chemistry</i> , <b>2009</b> , 27, 2137-2144	4.9	2
25	Iridium Oxide Film-Enhanced Impedance Immunosensor for Rapid Detection of Carcinoembryonic Antigen. <i>Chinese Journal of Chemistry</i> , <b>2007</b> , 25, 1288-1293	4.9	2
24	New Wavelength Selection Methods: Part 1. <i>NIR News</i> , <b>2005</b> , 16, 10-11	0.8	2

23	Detection of linear substructures in calibration model by robust approach: Maximum sum of binary-coded residuals (MASBR) regression. <i>Journal of Chemometrics</i> , <b>1996</b> , 10, 295-307	1.6	2
22	Quantitative Surface Plasmon Interferometry via Upconversion Photoluminescence Mapping. <i>Research</i> , <b>2019</b> , 2019, 8304824	7.8	2
21	Multiplexed droplet loop-mediated isothermal amplification with scorpion-shaped probes and fluorescence microscopic counting for digital quantification of virus RNAs. <i>Chemical Science</i> , <b>2021</b> , 12, 8445-8451	9.4	2
20	Genetically Encoded Sensor Enables Endogenous RNA Imaging with Conformation-Switching Induced Fluorogenic Proteins. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14394-14401	16.4	2
19	A near-infrared indicator for sensitive imaging of G-Quadruplexes in live cells. <i>Dyes and Pigments</i> , <b>2022</b> , 201, 110194	4.6	2
18	Surface-Enhanced Infrared Absorption of Ligands on Colloidal Gold Nanowires through Resonant Coupling. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 3494-3498	7.8	1
17	Immunoreaction-Mediated Aggregation of Gold Nanoparticles for Sensitive and Selective Assay of Hepatitis B Surface Antigen. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1083-1088	1.3	1
16	An Oligonucleotide-based Fluorescence Sensor for Mercury(II) in Aqueous Solutions. <i>Chinese Journal of Chemistry</i> , <b>2009</b> , 27, 1543-1547	4.9	1
15	New Wavelength Selection Methods: Part 2. <i>NIR News</i> , <b>2005</b> , 16, 6-8	0.8	1
14	Activatable CRISPR Transcriptional Circuits Generate Functional RNA for mRNA Sensing and Silencing. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 18758-18763	3.6	1
13	Inducible CRISPR-dCas9 Transcriptional Systems for Sensing and Genome Regulation. <i>ChemBioChem</i> , <b>2021</b> , 22, 1894-1900	3.8	1
12	Genetically Encoded Dual-Color Light-Up RNA Sensor Enabled Ratiometric Imaging of MicroRNA. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 2534-2540	7.8	1
11	Synthesis and properties of tetracyanoquinodimethane derivatives. <i>Heterocyclic Communications</i> , <b>2018</b> , 24, 249-254	1.7	1
10	Terminal protection of peptides by interactions with proteins: A "signal-on" peptide-templated gold nanocluster beacon for label-free protein detection. <i>Talanta</i> , <b>2021</b> , 233, 122566	6.2	1
9	Using random forest to detect multiple inherited metabolic diseases simultaneously based on GC-MS urinary metabolomics. <i>Talanta</i> , <b>2021</b> , 235, 122720	6.2	1
8	A localized DNA finite-state machine with temporal resolution.. <i>Science Advances</i> , <b>2022</b> , 8, eabm9530	14.3	1
7	Dual Rolling Circle Amplification-Assisted Single-Particle Fluorescence Profiling of Exosome Heterogeneity for Discriminating Lung Adenocarcinoma from Pulmonary Nodules. <i>CCS Chemistry</i> , 1-25	7.2	1
6	Repaired and Activated DNAzyme Enables the Monitoring of DNA Alkylation Repair in Live Cells. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 20042-20049	3.6	0

- 5 Profiling demethylase activity using epigenetically inactivated DNase.. *Biosensors and Bioelectronics*, **2022**, 207, 114186 11.8 ○
- 4 Droplet microfluidic-based loop-mediated isothermal amplification (dLAMP) for simultaneous quantification of multiple targets.. *STAR Protocols*, **2022**, 3, 101335 1.4 ○
- 3 Using Sub-Band Reconstruction in Wavelet Space and Fourier Transform to Extract Local Features from Analytical Signals Exactly and Straightforwardly. *Analytical Letters*, **2010**, 43, 1019-1032 2.2
- 2 Boronate carbon nanoparticles featuring efficient FRET for activatable two-photon fluorescence imaging of sialic acid surface-abundant tumor cells. *Analyst, The*, **2021**, 146, 5567-5573 5
- 1 Bioanalytical Chemistry, *Biosensors* **2018**, 1-28