

# Lin Ding

## 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.

75  
papers

4,635  
citations

31  
h-index

68  
g-index

77  
ext. papers

5,112  
ext. citations

9.1  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
75	MicroRNA: function, detection, and bioanalysis. <i>Chemical Reviews</i> , <b>2013</b> , 113, 6207-33	68.1	780
74	Cell-specific and pH-activatable rubyrin-loaded nanoparticles for highly selective near-infrared photodynamic therapy against cancer. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18850-8	16.4	337
73	Carbon nanohorn sensitized electrochemical immunosensor for rapid detection of microcystin-LR. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 1117-22	7.8	197
72	Switchable fluorescent imaging of intracellular telomerase activity using telomerase-responsive mesoporous silica nanoparticle. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 13282-5	16.4	192
71	The use of polyethylenimine-grafted graphene nanoribbon for cellular delivery of locked nucleic acid modified molecular beacon for recognition of microRNA. <i>Biomaterials</i> , <b>2011</b> , 32, 3875-82	15.6	191
70	Biocompatible conductive architecture of carbon nanofiber-doped chitosan prepared with controllable electrodeposition for cytosensing. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 4442-7	7.8	174
69	A robust probe for lighting up intracellular telomerase via primer extension to open a nicked molecular beacon. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8205-8	16.4	161
68	A multifunctional nanomicelle for real-time targeted imaging and precise near-infrared cancer therapy. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9544-9	16.4	157
67	Cascade signal amplification strategy for subattomolar protein detection by rolling circle amplification and quantum dots tagging. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 3337-42	7.8	146
66	A pH-activatable and aniline-substituted photosensitizer for near-infrared cancer theranostics. <i>Chemical Science</i> , <b>2015</b> , 6, 5969-5977	9.4	145
65	A bio-inspired support of gold nanoparticles-chitosan nanocomposites gel for immobilization and electrochemical study of K562 leukemia cells. <i>Biomacromolecules</i> , <b>2007</b> , 8, 1341-6	6.9	136
64	Effective cell capture with tetrapeptide-functionalized carbon nanotubes and dual signal amplification for cytosensing and evaluation of cell surface carbohydrate. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 3867-72	7.8	126
63	Carbohydrate monolayer strategy for electrochemical assay of cell surface carbohydrate. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 7224-5	16.4	110
62	Electrochemiluminescent biosensing of carbohydrate-functionalized CdS nanocomposites for in situ label-free analysis of cell surface carbohydrate. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2500-5	11.8	89
61	A simple electrochemical cytosensor array for dynamic analysis of carcinoma cell surface glycans. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6465-8	16.4	83
60	Lectin-based nanoprobe functionalized with enzyme for highly sensitive electrochemical monitoring of dynamic carbohydrate expression on living cells. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 1292-8	7.8	76
59	Highly sensitive fluorescent analysis of dynamic glycan expression on living cells using glyconanoparticles and functionalized quantum dots. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 7006-12	7.8	75

58	Aptamer loaded MoS <sub>2</sub> nanoplates as nanoprobe for detection of intracellular ATP and controllable photodynamic therapy. <i>Nanoscale</i> , <b>2015</b> , 7, 15953-61	7.7	74
57	Trends in cell-based electrochemical biosensors. <i>Current Medicinal Chemistry</i> , <b>2008</b> , 15, 3160-70	4.3	72
56	Smart vesicle kit for in situ monitoring of intracellular telomerase activity using a telomerase-responsive probe. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 8642-8	7.8	70
55	Sandwich nano-hybrid of single-walled carbon nanohorns-TiO <sub>2</sub> -porphyrin for electrocatalysis and amperometric biosensing towards chloramphenicol. <i>Chemical Communications</i> , <b>2009</b> , 4227-9	5.8	59
54	A Single Excitation-Duplexed Imaging Strategy for Profiling Cell Surface Protein-Specific Glycoforms. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5220-4	16.4	57
53	A self-assembled monolayer based electrochemical immunosensor for detection of leukemia K562A cells. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 1359-1364	5.1	55
52	Folate receptor-targeted and cathepsin B-activatable nanoprobe for in situ therapeutic monitoring of photosensitive cell death. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 3841-8	7.8	53
51	Cytosensing and dynamic monitoring of cell surface carbohydrate expression by electrochemiluminescence of quantum dots. <i>Chemical Communications</i> , <b>2010</b> , 46, 5446-8	5.8	53
50	Amperometric detection of hypoxanthine and xanthine by enzymatic amplification using a gold nanoparticles-carbon nanohorn hybrid as the carrier. <i>Analyst, The</i> , <b>2012</b> , 137, 3126-31	5	45
49	A disposable impedance sensor for electrochemical study and monitoring of adhesion and proliferation of K562 leukaemia cells. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 953-958	5.1	43
48	In situ scanometric assay of cell surface carbohydrate by glyconanoparticle-aggregation-regulated silver enhancement. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 5804-9	7.8	40
47	A facile scanometric strategy for ultrasensitive detection of protein using aptamer-initiated rolling circle amplification. <i>Chemical Communications</i> , <b>2010</b> , 46, 6720-2	5.8	35
46	Plasmonic coupling of dual gold nanoprobe for SERS imaging of sialic acids on living cells. <i>Chemical Communications</i> , <b>2016</b> , 52, 10640-3	5.8	34
45	In situ electrochemical assay of cell surface sialic acids featuring highly efficient chemoselective recognition and a dual-functionalized nanohorn probe. <i>Chemical Communications</i> , <b>2012</b> , 48, 3848-50	5.8	33
44	Protein-specific Raman imaging of glycosylation on single cells with zone-controllable SERS effect. <i>Chemical Science</i> , <b>2016</b> , 7, 569-574	9.4	31
43	Micro-competition system for Raman quantification of multiple glycans on intact cell surface. <i>Chemical Science</i> , <b>2015</b> , 6, 3769-3774	9.4	31
42	In situ electrochemical imaging of membrane glycan expression on micropatterned adherent single cells. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 7112-8	7.8	31
41	Ultrasensitive scanometric strategy for detection of matrix metalloproteinases using a histidine tagged peptide-Au nanoparticle probe. <i>Chemical Communications</i> , <b>2011</b> , 47, 2877-9	5.8	31

40	Localized Chemical Remodeling for Live Cell Imaging of Protein-Specific Glycoform. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8139-8143	16.4	30
39	Electrocatalytic reduction of coreactant by highly loaded dendrimer-encapsulated palladium nanoparticles for sensitive electrochemiluminescent immunoassay. <i>Chemical Communications</i> , <b>2012</b> , 48, 9159-61	5.8	30
38	A label-free strategy for facile electrochemical analysis of dynamic glycan expression on living cells. <i>Chemical Communications</i> , <b>2009</b> , 7161-3	5.8	30
37	Surface-assisted laser desorption/ionization mass spectrometric detection of biomolecules by using functional single-walled carbon nanohorns as the matrix. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 102-8	4.8	29
36	Nanoamplicon Comparator for Live-Cell MicroRNA Imaging. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 3374-3381	7.8	27
35	Nanogold-Enriched Carbon Nanohorn Label for Sensitive Electrochemical Detection of Biomarker on a Disposable Immunosensor. <i>Electroanalysis</i> , <b>2013</b> , 25, 1044-1049	3	27
34	Noncovalent functionalization of carbon nanotubes with lectin for label-free dynamic monitoring of cell-surface glycan expression. <i>Analytical Biochemistry</i> , <b>2011</b> , 410, 92-7	3.1	27
33	A simple electrochemical lectin-probe for in situ homogeneous cytosensing and facile evaluation of cell surface glycan. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 169-74	11.8	27
32	A cascade amplification approach for visualization of telomerase activity in living cells. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 1017-1023	11.8	27
31	Sensitive chemiluminescent imaging for chemoselective analysis of glycan expression on living cells using a multifunctional nanoprobe. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 1452-8	7.8	26
30	Carbon nanofiber doped polypyrrole nanoscaffold for electrochemical monitoring of cell adhesion and proliferation. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 760-763	5.1	25
29	A Hierarchical Coding Strategy for Live Cell Imaging of Protein-Specific Glycoform. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12007-12011	16.4	23
28	In Situ Cellular Glycan Analysis. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 890-899	24.3	22
27	Liberation of Protein-Specific Glycosylation Information for Glycan Analysis by Exonuclease III-Aided Recycling Hybridization. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2923-8	7.8	18
26	Arrayed profiling of multiple glycans on whole living cell surfaces. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 11153-8	8.8	18
25	In situ tracing of cell surface sialic acid by chemoselective recognition to unload gold nanocluster probe from density tunable dendrimeric array. <i>Chemical Communications</i> , <b>2013</b> , 49, 862-4	5.8	18
24	Fluorescence imaging for in situ detection of cell surface sialic acid by competitive binding of 3-(dansylamino)phenylboronic acid. <i>Analytica Chimica Acta</i> , <b>2015</b> , 894, 85-90	6.6	17
23	Quantitative Localized Analysis Reveals Distinct Exosomal Protein-Specific Glycosignatures: Implications in Cancer Cell Subtyping, Exosome Biogenesis, and Function. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7404-7412	16.4	16

22	Lectin-mediated in situ rolling circle amplification on exosomes for probing cancer-related glycan pattern. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1039, 108-115	6.6	16
21	A Multifunctional Nanomicelle for Real-Time Targeted Imaging and Precise Near-Infrared Cancer Therapy. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 9698-9703	3.6	15
20	A simple fluorescent strategy for in situ evaluation of cell surface carbohydrate with a quantum dot-lectin nanoprobe. <i>Analyst, The</i> , <b>2010</b> , 135, 1906-8	5	15
19	Biofunctionalization of nanoparticles for cytosensing and cell surface carbohydrate assay. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18154		14
18	Study of Main Solutes on Evaporation and Crystallization Processes of the Desulfurization Wastewater Droplet. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 6119-6129	4.1	12
17	A Simple Electrochemical Cytosensor Array for Dynamic Analysis of Carcinoma Cell Surface Glycans. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 6587-6590	3.6	12
16	Noninvasive imaging of sialyltransferase activity in living cells by chemoselective recognition. <i>Scientific Reports</i> , <b>2015</b> , 5, 10947	4.9	11
15	A Single Excitation-Duplexed Imaging Strategy for Profiling Cell Surface Protein-Specific Glycoforms. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5306-5310	3.6	11
14	Competition-based transfer of carbohydrate expression information from a cell-adhered surface to a secondary surface. <i>Chemical Communications</i> , <b>2011</b> , 47, 3742-4	5.8	9
13	A Hierarchical Coding Strategy for Live Cell Imaging of Protein-Specific Glycoform. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12183-12187	3.6	8
12	Localized Chemical Remodeling for Live Cell Imaging of Protein-Specific Glycoform. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8251-8255	3.6	7
11	Filter Beacon: A Gating-Free Architecture for Protein-Specific Glycoform Imaging on Cell Surface. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 6027-6034	7.8	6
10	Real-time monitoring of cell viability by its nanoscale height change with oxygen as endogenous indicator. <i>Chemical Communications</i> , <b>2010</b> , 46, 7388-90	5.8	6
9	Fluorescent visual quantitation of cell-secreted sialoglycoconjugates by chemoselective recognition and hybridization chain reaction. <i>Analyst, The</i> , <b>2019</b> , 144, 4545-4551	5	5
8	Switchable Enzymatic Accessibility for Precision Cell-Selective Surface Glycan Remodeling. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 10505-10510	4.8	5
7	Proximity Enzymatic Glyco-Remodeling Enables Direct and Highly Efficient Lipid Raft Imaging on Live Cells. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 7232-7239	7.8	5
6	A localized molecular automaton for visualization of proteins with specific chemical modifications. <i>Chemical Science</i> , <b>2020</b> , 11, 1665-1671	9.4	5
5	A light-up imaging protocol for neutral pH-enhanced fluorescence detection of lysosomal neuraminidase activity in living cells. <i>Chemical Communications</i> , <b>2016</b> , 52, 12897-12900	5.8	5

4	Functional Dual-Color Indicator To Achieve in Situ Visualization of Intracellular Glycosylation. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 3073-3078	7.8	4
3	Hierarchical Fluorescence Imaging Strategy for Assessment of the Sialylation Level of Lipid Rafts on the Cell Membrane. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 14643-14650	7.8	3
2	Thermally Triggered, Cell-Specific Enzymatic Glyco-Editing: Regulation of Lectin Recognition and Immune Response on Target Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 54387-54398	9.5	2
1	A localized glyco-editing probe for revelation of protein-specific glycan function. <i>Materials Today</i> , <b>2021</b> , 49, 85-85	21.8	0