Zhen Liu

List of Publications by Year
in descending order

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165 papers	9,258 citations	34016 52 h-index	46693 89 g-index
180 all docs	180 docs citations	180 times ranked	4898 citing authors

#	Article	IF	Citations
1	Boronate affinity materials for separation and molecular recognition: structure, properties and applications. Chemical Society Reviews, 2015, 44, 8097-8123.	18.7	459
2	Boronateâ€Affinity Glycanâ€Oriented Surface Imprinting: A New Strategy to Mimic Lectins for the Recognition of an Intact Glycoprotein and Its Characteristic Fragments. Angewandte Chemie - International Edition, 2015, 54, 10211-10215.	7.2	315
3	Preparation of molecularly imprinted polymers specific to glycoproteins, glycans and monosaccharides via boronate affinity controllableâ€“oriented surface imprinting. Nature Protocols, 2017, 12, 964-987.	5.5	284
4	Synthesis and Applications of Boronate Affinity Materials: From Class Selectivity to Biomimetic Specificity. Accounts of Chemical Research, 2017, 50, 2185-2193.	7.6	266
5	A Boronate Affinity Sandwich Assay: An Appealing Alternative to Immunoassays for the Determination of Glycoproteins. Angewandte Chemie - International Edition, 2014, 53, 10386-10389.	7.2	247
6	Photolithographic Boronate Affinity Molecular Imprinting: A General and Facile Approach for Glycoprotein Imprinting. Angewandte Chemie - International Edition, 2013, 52, 7451-7454.	7.2	229
7	Affinity-tunable specific recognition of glycoproteins via boronate affinity-based controllable oriented surface imprinting. Chemical Science, 2014, 5, 1135.	3.7	220
8	Ringâ€Opening Polymerization with Synergistic Coâ€monomers: Access to a Boronateâ€Functionalized Polymeric Monolith for the Specific Capture of cisâ€Diolâ€Containing Biomolecules under Neutral Conditions. Angewandte Chemie - International Edition, 2009, 48, 6704-6707.	7.2	191
9	Magnetic nanoparticles with dendrimer-assisted boronate avidity for the selective enrichment of trace glycoproteins. Chemical Science, 2013, 4, 4298.	3.7	182
10	Facile Preparation of Glycoprotein-Imprinted 96-Well Microplates for Enzyme-Linked Immunosorbent Assay by Boronate Affinity-Based Oriented Surface Imprinting. Analytical Chemistry, 2014, 86, 959-966.	3.2	182
11	A unique boronic acid functionalized monolithic capillary for specific capture, separation and immobilization of cis-diol biomolecules. Chemical Communications, 2011, 47, 5067.	2.2	173
12	Recent advances in monolithic column-based boronate-affinity chromatography. TrAC - Trends in Analytical Chemistry, 2012, 37, 148-161.	5.8	146
13	Inhibition of HER2â€Positive Breast Cancer Growth by Blocking the HER2 Signaling Pathway with HER2â€Glycanâ€Imprinted Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 10621-10625.	7.2	138
14	A benzoboroxole-functionalized monolithic column for the selective enrichment and separation of cis-diol containing biomolecules. Chemical Communications, 2012, 48, 4115.	2.2	137
15	Probing the Interactions between Boronic Acids and cis-Diol-Containing Biomolecules by Affinity Capillary Electrophoresis. Analytical Chemistry, 2013, 85, 2361-2369.	3.2	137
16	Targeting and Imaging of Cancer Cells via Monosaccharide-Imprinted Fluorescent Nanoparticles. Scientific Reports, 2016, 6, 22757.	1.6	135
17	Targeted cancer imaging and photothermal therapy via monosaccharide-imprinted gold nanorods. Chemical Communications, 2017, 53, 6716-6719.	2.2	135
18	Specific recognition of proteins and peptides via controllable oriented surface imprinting of boronate affinity-anchored epitopes. Chemical Science, 2019, 10, 1831-1835.	3.7	133

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19	Synthesis and characterization of a new boronate affinity monolithic capillary for specific capture of cis-diol-containing compounds. Journal of Chromatography A, 2009, 1216, 4768-4774.	1.8	132
20	A self-assembled molecular team of boronic acids at the gold surface for specific capture of cis-diol biomolecules at neutral pH. Chemical Communications, 2011, 47, 2255.	2.2	128
21	â€œOne-Potâ€•Process for Fabrication of Organic-Silica Hybrid Monolithic Capillary Columns Using Organic Monomer and Alkoxysilane. Analytical Chemistry, 2009, 81, 3529-3536.	3.2	126
22	Surface-enhanced Raman scattering imaging of cancer cells and tissues via sialic acid-imprinted nanotags. Chemical Communications, 2015, 51, 17696-17699.	2.2	125
23	Restricted access boronate affinity porous monolith as a protein A mimetic for the specific capture of immunoglobulin G. Chemical Science, 2012, 3, 1467.	3.7	121
24	Molecularly Imprinted Polymer Nanoparticles: An Emerging Versatile Platform for Cancer Therapy. Angewandte Chemie - International Edition, 2021, 60, 3858-3869.	7.2	113
25	A Wulff-type boronate for boronate affinity capture of cis-diol compounds at medium acidic pH condition. Chemical Communications, 2011, 47, 8169.	2.2	110
26	Synthesis of hydrophilic boronate affinity monolithic capillary for specific capture of glycoproteins by capillary liquid chromatography. Journal of Chromatography A, 2009, 1216, 8421-8425.	1.8	105
27	Coupling of Phosphate-Imprinted Mesoporous Silica Nanoparticles-Based Selective Enrichment with Matrix-Assisted Laser Desorption Ionization-Time-of-Flight Mass Spectrometry for Highly Efficient Analysis of Protein Phosphorylation. Analytical Chemistry, 2016, 88, 1447-1454.	3.2	101
28	Probing Lowâ€Copyâ€Number Proteins in a Single Living Cell. Angewandte Chemie - International Edition, 2016, 55, 13215-13218.	7.2	98
29	Preparation of organic-silica hybrid boronate affinity monolithic column for the specific capture and separation of cis-diol containing compounds. Journal of Chromatography A, 2012, 1256, 114-120.	1.8	97
30	Coupling Strong Anion-Exchange Monolithic Capillary with MALDI-TOF MS for Sensitive Detection of Phosphopeptides in Protein Digest. Analytical Chemistry, 2010, 82, 2907-2915.	3.2	93
31	Physically adsorbed chiral stationary phase of avidin on monolithic silica column for capillary electrochromatography and capillary liquid chromatography. Electrophoresis, 2002, 23, 2973-2981.	1.3	91
32	Molecularly Imprinted Polymerâ€Based Smart Prodrug Delivery System for Specific Targeting, Prolonged Retention, and Tumor Microenvironmentâ€Triggered Release. Angewandte Chemie - International Edition, 2021, 60, 2663-2667.	7.2	90
33	Molecularly Imprinted Polymer-Based Plasmonic Immunosandwich Assay for Fast and Ultrasensitive Determination of Trace Glycoproteins in Complex Samples. Analytical Chemistry, 2016, 88, 12363-12370.	3.2	85
34	Dual Molecularly Imprinted Polymer-Based Plasmonic Immunosandwich Assay for the Specific and Sensitive Detection of Protein Biomarkers. Analytical Chemistry, 2019, 91, 9993-10000.	3.2	81
35	Molecularly Imprinted Plasmonic Substrates for Specific and Ultrasensitive Immunoassay of Trace Glycoproteins in Biological Samples. ACS Applied Materials & Interfaces, 2017, 9, 12082-12091.	4.0	77
36	Enzyme Activity Assay of Glycoprotein Enzymes Based on a Boronate Affinity Molecularly Imprinted 96-Well Microplate. Analytical Chemistry, 2014, 86, 12382-12389.	3.2	76

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37	Controllably Prepared Aptamerâ€“Molecularly Imprinted Polymer Hybrid for High-Specificity and High-Affinity Recognition of Target Proteins. Analytical Chemistry, 2019, 91, 4831-4837.	3.2	73
38	Pattern Recognition of Cells via Multiplexed Imaging with Monosaccharide-Imprinted Quantum Dots. Analytical Chemistry, 2017, 89, 5646-5652.	3.2	72
39	Off-line hyphenation of boronate affinity monolith-based extraction with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for efficient analysis of glycoproteins/glycopeptides. Analytica Chimica Acta, 2014, 834, 1-8.	2.6	70
40	A high boronate avidity monolithic capillary for the selective enrichment of trace glycoproteins. Journal of Chromatography A, 2015, 1384, 88-96.	1.8	70
41	Separation of acidic compounds by strong anion-exchange capillary electrochromatography. Journal of Chromatography A, 2000, 887, 223-231.	1.8	68
42	Preparation and characterization of fluorophenylboronic acid-functionalized monolithic columns for high affinity capture of cis-diol containing compounds. Journal of Chromatography A, 2013, 1305, 123-130.	1.8	66
43	Capillary Isoelectric Focusing of Proteins with Liquid Core Waveguide Laser-Induced Fluorescence Whole Column Imaging Detection. Analytical Chemistry, 2003, 75, 4887-4894.	3.2	65
44	Dual-template docking oriented molecular imprinting: a facile strategy for highly efficient imprinting within mesoporous materials. Chemical Communications, 2015, 51, 10929-10932.	2.2	65
45	Separation of peptides by strong cation-exchange capillary electrochromatography. Journal of Chromatography A, 2000, 869, 385-394.	1.8	64
46	Precision Imprinting of Glycopeptides for Facile Preparation of Glycan-Specific Artificial Antibodies. Analytical Chemistry, 2018, 90, 9845-9852.	3.2	63
47	Open tubular capillary electrochromatography with adsorbed stationary phase. Analytica Chimica Acta, 1999, 378, 73-76.	2.6	60
48	Temporal Sensing Platform Based on Bipolar Electrode for the Ultrasensitive Detection of Cancer Cells. Analytical Chemistry, 2016, 88, 8795-8801.	3.2	60
49	Selective enrichment of endogenous peptides by chemically modified porous nanoparticles for peptidome analysis. Journal of Chromatography A, 2009, 1216, 1270-1278.	1.8	59
50	Chiral separation by open tubular capillary electrochromatography with adsorbed avidin as a stationary phase. Journal of Separation Science, 2001, 24, 17-26.	1.3	57
51	Efficient Selection of Glycoprotein-Binding DNA Aptamers via Boronate Affinity Monolithic Capillary. Analytical Chemistry, 2013, 85, 8277-8283.	3.2	56
52	Pyridinylboronic acid-functionalized organicâ€“silica hybrid monolithic capillary for the selective enrichment and separation of cis-diol-containing biomolecules at acidic pH. Journal of Chromatography A, 2014, 1339, 103-109.	1.8	55
53	Study of physically adsorbed stationary phases for open tubular capillary electrochromatography. Electrophoresis, 1999, 20, 2891-2897.	1.3	54
54	Boronate functionalized magnetic nanoparticles and off-line hyphenation with capillary electrophoresis for specific extraction and analysis of biomolecules containing cis-diols. Journal of Chromatography A, 2009, 1216, 7558-7563.	1.8	54

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55	Glycan-Imprinted Magnetic Nanoparticle-Based SELEX for Efficient Screening of Glycoprotein-Binding Aptamers. ACS Applied Materials & Interfaces, 2018, 10, 40918-40926.	4.0	52
56	Recent advances in nanostructure/nanomaterial-assisted laser desorption/ionization mass spectrometry of low molecular mass compounds. Analytica Chimica Acta, 2019, 1090, 1-22.	2.6	52
57	On-line coupling of in-tube boronate affinity solid phase microextraction with high performance liquid chromatographyâ€“electrospray ionization tandem mass spectrometry for the determination of cis-diol biomolecules. Talanta, 2010, 82, 270-276.	2.9	50
58	Fine-tuning the specificity of boronate affinity monoliths toward glycoproteins through pH manipulation. Analyst, The, 2013, 138, 290-298.	1.7	50
59	Orthogonal dual molecularly imprinted polymer-based plasmonic immunosandwich assay: A double characteristic recognition strategy for specific detection of glycoproteins. Biosensors and Bioelectronics, 2019, 145, 111729.	5.3	50
60	Recent progress in adsorbed stationary phases for capillary electrochromatography. Electrophoresis, 2002, 23, 3954-3972.	1.3	49
61	Effects of organic modifiers on retention mechanism and selectivity in micellar electrokinetic capillary chromatography studied by linear solvation energy relationships. Journal of Chromatography A, 1999, 863, 69-79.	1.8	48
62	Rapid and high-resolution glycoform profiling of recombinant human erythropoietin by capillary isoelectric focusing with whole column imaging detection. Journal of Chromatography A, 2008, 1190, 372-376.	1.8	48
63	Recent progress in the combination of molecularly imprinted polymer-based affinity extraction and mass spectrometry for targeted proteomic analysis. TrAC - Trends in Analytical Chemistry, 2019, 110, 417-428.	5.8	48
64	Highly Efficient Solidâ€Phase Labeling of Saccharides within Boronic Acid Functionalized Mesoporous Silica Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 6173-6176.	7.2	47
65	Molecular imprinting and cladding produces antibody mimics with significantly improved affinity and specificity. Science Bulletin, 2022, 67, 278-287.	4.3	47
66	Insights into the effect of nanoconfinement on molecular interactions. Nanoscale, 2014, 6, 9563-9567.	2.8	46
67	Behaviors of the MS2 virus and related antibodies in capillary isoelectric focusing with whole-column imaging detection. Electrophoresis, 2005, 26, 556-562.	1.3	43
68	Capillary Electrochromatography Using a Strong Cation-Exchange Column with a Dynamically Modified Cationic Surfactant. Analytical Chemistry, 2000, 72, 616-621.	3.2	42
69	Applications of capillary isoelectric focusing with liquid-core waveguide laser-induced fluorescence whole-column imaging detection. Analytical Biochemistry, 2005, 336, 94-101.	1.1	39
70	Recent progress and application of boronate affinity materials in bioanalysis. TrAC - Trends in Analytical Chemistry, 2021, 140, 116271.	5.8	39
71	Coupling of Solid-Phase Microextraction and Capillary Isoelectric Focusing with Laser-Induced Fluorescence Whole Column Imaging Detection for Protein Analysis. Analytical Chemistry, 2005, 77, 165-171.	3.2	38
72	Whole-column imaging-detection techniques and their analytical applications. TrAC - Trends in Analytical Chemistry, 2005, 24, 369-382.	5.8	37

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73	Electrochemically deposited boronate affinity extracting phase for covalent solid phase microextraction of cis-diol biomolecules. Talanta, 2009, 79, 746-751.	2.9	37
74	Molecularly imprinted mesoporous silica nanoparticles for specific extraction and efficient identification of Amadori compounds. Analytica Chimica Acta, 2018, 1019, 65-73.	2.6	37
75	Highly Specific Electrochemiluminescence Detection of Cancer Cells with a Closed Bipolar Electrode. ChemElectroChem, 2016, 3, 429-435.	1.7	35
76	Controllably prepared molecularly imprinted core-shell plasmonic nanostructure for plasmon-enhanced fluorescence assay. Biosensors and Bioelectronics, 2019, 146, 111733.	5.3	35
77	Effects of organic modifiers on solute retention and electrokinetic migrations in micellar electrokinetic capillary chromatography. Electrophoresis, 1999, 20, 2898-2908.	1.3	34
78	Evaluation of extended light path capillary and etched capillary for use in open tubular capillary electrochromatography. Journal of Chromatography A, 2002, 961, 285-291.	1.8	34
79	Capillary Isoelectric Focusing with Laser-Induced Fluorescence Whole Column Imaging Detection as a Tool To Monitor Reactions of Proteins. Journal of Proteome Research, 2004, 3, 567-571.	1.8	34
80	Hybrid Approach Combining Boronate Affinity Magnetic Nanoparticles and Capillary Electrophoresis for Efficient Selection of Glycoprotein-Binding Aptamers. Analytical Chemistry, 2016, 88, 9805-9812.	3.2	33
81	Redox-Responsive Molecularly Imprinted Nanoparticles for Targeted Intracellular Delivery of Protein toward Cancer Therapy. ACS Nano, 2021, 15, 18214-18225.	7.3	33
82	Study of competitive binding of enantiomers to protein by affinity capillary electrochromatography. Journal of Pharmaceutical and Biomedical Analysis, 2002, 27, 651-660.	1.4	32
83	Controllable Engineering and Functionalizing of Nanoparticles for Targeting Specific Proteins towards Biomedical Applications. Advanced Science, 2021, 8, e2101713.	5.6	32
84	Molecularly Imprinted and Cladded Nanoparticles Provide Better Phosphorylation Recognition. Analytical Chemistry, 2021, 93, 16194-16202.	3.2	31
85	Nanoconfining affinity materials for pH-mediated protein captureâ€“release. Chemical Science, 2014, 5, 4065-4069.	3.7	30
86	Joint enhancement strategy applied in ECL biosensor based on closed bipolar electrodes for the detection of PSA. Talanta, 2016, 154, 169-174.	2.9	30
87	Quantitation and on-line concentration of enantiomers in open-tubular capillary electrochromatography. Electrophoresis, 2001, 22, 3791-3797.	1.3	29
88	Online Coupling of Solid-Phase Microextraction and Capillary Electrophoresis. Journal of Chromatographic Science, 2006, 44, 366-374.	0.7	29
89	Bilinear Temperature Gradient Focusing in a Hybrid PDMS/Glass Microfluidic Chip Integrated with Planar Heaters for Generating Temperature Gradients. Analytical Chemistry, 2012, 84, 2968-2973.	3.2	29
90	Pattern Recognition of Monosaccharides via a Virtual Lectin Array Constructed by Boronate Affinity-Based pH-Featured Encoding. Analytical Chemistry, 2015, 87, 4442-4447.	3.2	29

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91	Capillary electrochromatography with a silica column with a dynamically modified cationic surfactant. Journal of Chromatography A, 1999, 855, 137-145.	1.8	28
92	Weak anion exchange chromatographic profiling of glycoprotein isoforms on a polymer monolithic capillary. Journal of Chromatography A, 2012, 1228, 276-282.	1.8	28
93	Molecularly imprinted polymers outperform lectin counterparts and enable more precise cancer diagnosis. Chemical Science, 2022, 13, 4589-4597.	3.7	28
94	Use of a native affinity ligand for the detection of G proteins by capillary isoelectric focusing with laser-induced fluorescence detection. Electrophoresis, 2004, 25, 2319-2325.	1.3	26
95	Capillary Isoelectric Focusing Coupled with Dynamic Imaging Detection:Â A One-Dimensional Separation for Two-Dimensional Protein Characterization. Journal of Proteome Research, 2006, 5, 1246-1251.	1.8	25
96	Dynamic Kinetic Capillary Isoelectric Focusing:Â A Powerful Tool for Studying Proteinâ"DNA Interactions. Analytical Chemistry, 2007, 79, 1097-1100.	3.2	25
97	Characterization of plant growth-promoting rhizobacteria using capillary isoelectric focusing with whole column imaging detection. Journal of Chromatography A, 2007, 1140, 213-218.	1.8	25
98	Boronic acid-mediated polymerase chain reaction for gene- and fragment-specific detection of 5-hydroxymethylcytosine. Nucleic Acids Research, 2014, 42, e81-e81.	6.5	25
99	Boronate Affinity Fluorescent Nanoparticles for FÃ¶rster Resonance Energy Transfer Inhibition Assay of cis-Diol Biomolecules. Analytical Chemistry, 2016, 88, 5088-5096.	3.2	25
100	Probing cytoplasmic and nuclear microRNAs in single living cells via plasmonic affinity sandwich assay. Chemical Science, 2018, 9, 7241-7246.	3.7	25
101	Fast probing of glucose and fructose in plant tissues via plasmonic affinity sandwich assay with molecularly-imprinted extraction microprobes. Analytica Chimica Acta, 2017, 995, 34-42.	2.6	24
102	Flow injection analysis methods for determination of diffusion coefficients. Analytica Chimica Acta, 1997, 350, 359-363.	2.6	23
103	Integration of Dialysis Membranes into a Poly(dimethylsiloxane) Microfluidic Chip for Isoelectric Focusing of Proteins Using Whole-Channel Imaging Detection. Analytical Chemistry, 2008, 80, 7401-7407.	3.2	23
104	Probing low-copy-number proteins in single living cells using single-cell plasmonic immunosandwich assays. Nature Protocols, 2021, 16, 3522-3546.	5.5	23
105	Inhibition of HER2â€Positive Breast Cancer Growth by Blocking the HER2 Signaling Pathway with HER2â€Glycanâ€Imprinted Nanoparticles. Angewandte Chemie, 2019, 131, 10731-10735.	1.6	22
106	Enantiomer separation by strong anion-exchange capillary electrochromatography with dynamically modified sulfated Î²-cyclodextrin. Electrophoresis, 2001, 22, 518-525.	1.3	21
107	Development of poly((3-acrylamidophenyl)boronic acid-co-N,N-methylenebisacrylamide) monolithic capillary for the selective capture of cis-diol biomolecules. Analytical Methods, 2013, 5, 5444.	1.3	21
108	Efficient Mass Spectrometric Dissection of Glycans via Gold Nanoparticle-Assisted in-Source Cation Adduction Dissociation. Analytical Chemistry, 2019, 91, 8390-8397.	3.2	21

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109	Sol-gel preparation of titanium (IV)-immobilized hierarchically porous organosilica hybrid monoliths. Analytica Chimica Acta, 2019, 1046, 199-207.	2.6	21
110	Efficient Screening of Glycan-Specific Aptamers Using a Glycosylated Peptide as a Scaffold. Analytical Chemistry, 2021, 93, 956-963.	3.2	21
111	Immuno-magnetic beads-based extraction-capillary zone electrophoresis-deep UV laser-induced fluorescence analysis of erythropoietin. Journal of Chromatography A, 2012, 1246, 48-54.	1.8	20
112	Multimodal Plasmonic Assay of Copper(II) Ion via Stimuli-Responsive State Transformation of Silver Molecular Nanoparticles. Analytical Chemistry, 2016, 88, 8123-8128.	3.2	20
113	A Glycoformâ€Resolved Dualâ€Modal Ratiometric Immunoassay Improves the Diagnostic Precision for Hepatocellular Carcinoma. Angewandte Chemie - International Edition, 2022, 61, .	7.2	20
114	Side-by-side comparison of disposable microchips with commercial capillary cartridges for application in capillary isoelectric focusing with whole column imaging detection. Lab on A Chip, 2008, 8, 1738.	3.1	19
115	Microdialysis hollow fiber as a macromolecule trap for on-line coupling of solid phase microextraction and capillary electrophoresis. Analyst, The, 2006, 131, 522.	1.7	18
116	Combination of large volume sample stacking and reversed pH junction in capillary electrophoresis for online preconcentration of glycoforms of recombinant human erythropoietin. Journal of Separation Science, 2009, 32, 422-429.	1.3	18
117	Probing Lowâ€Copyâ€Number Proteins in a Single Living Cell. Angewandte Chemie, 2016, 128, 13409-13412.	1.6	18
118	Gold Nanoparticle-Decorated Ag@SiO₂ Nanocomposite-Based Plasmonic Affinity Sandwich Assay of Circulating MicroRNAs in Human Serum. ACS Applied Nano Materials, 2019, 2, 3960-3970.	2.4	18
119	One-Step SH2 Superbinder-Based Approach for Sensitive Analysis of Tyrosine Phosphoproteome. Journal of Proteome Research, 2019, 18, 1870-1879.	1.8	18
120	Borate complexation-assisted field-enhanced sample injection for on-line preconcentration of cis-diol-containing compounds in capillary electrophoresis. Talanta, 2009, 80, 544-550.	2.9	17
121	Coupling of metal-organic frameworks-containing monolithic capillary-based selective enrichment with matrix-assisted laser desorption ionization-time-of-flight mass spectrometry for efficient analysis of protein phosphorylation. Journal of Chromatography A, 2017, 1498, 56-63.	1.8	17
122	Convenient Construction of Orthogonal Dual Aptamer-Based Plasmonic Immunosandwich Assay for Probing Protein Disease Markers in Complex Samples and Living Animals. ACS Sensors, 2020, 5, 1436-1444.	4.0	17
123	At-line coupling of magnetic-nanoparticle-based extraction with gel isoelectric focusing for protein analysis. Analytical and Bioanalytical Chemistry, 2011, 399, 3423-3429.	1.9	16
124	Epitope-Imprinted Magnetic Nanoparticles as a General Platform for Efficient In Vitro Evolution of Protein-Binding Aptamers. ACS Sensors, 2020, 5, 2537-2544.	4.0	16
125	Dendritic Mesoporous Silica Nanospheres: Toward the Ultimate Minimum Particle Size for Ultraefficient Liquid Chromatographic Separation. ACS Applied Materials & Interfaces, 2021, 13, 22970-22977.	4.0	16
126	Modeling of retention behavior in capillary electrochromatography from chromatographic and electrophoretic data. Journal of Chromatography A, 2002, 959, 241-253.	1.8	15

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127	Theoretical study of the separation mechanism of ionizable compounds in capillary electrochromatography. Science in China Series B: Chemistry, 1999, 42, 639-648.	0.8	13
128	A new chromatographic approach to analyze methylproteome with enhanced lysine methylation identification performance. Analytica Chimica Acta, 2019, 1068, 111-119.	2.6	13
129	Molecularly Imprinted Polymerâ€Based Smart Prodrug Delivery System for Specific Targeting, Prolonged Retention, and Tumor Microenvironmentâ€Triggered Release. Angewandte Chemie, 2021, 133, 2695-2699.	1.6	13
130	New Promises of Advanced Molecular Recognition: Bioassays, Single Cell Analysis, Cancer Therapy, and Beyond. Chinese Journal of Chemistry, 2022, 40, 635-650.	2.6	13
131	Precipitate-Supported Thermal Proteome Profiling Coupled with Deep Learning for Comprehensive Screening of Drug Target Proteins. ACS Chemical Biology, 2022, 17, 252-262.	1.6	13
132	CE in a Nonuniform Capillary Modulated by a Cylindrical Insert, and Zone-Narrowing Effects during Sample Injection. Analytical Chemistry, 2003, 75, 3656-3659.	3.2	12
133	Single-Cell Analysis of Signaling Proteins Provides Insights into Proapoptotic Properties of Anticancer Drugs. Analytical Chemistry, 2020, 92, 12498-12508.	3.2	12
134	Three-dimensional mesoporous dendritic fibrous nanosilica as a highly efficient DNA amplification platform for ultrasensitive detection of chlorpyrifos residues. Sensors and Actuators B: Chemical, 2020, 319, 128246.	4.0	12
135	Determination of lower aliphatic carbonyl compounds in stack gas as their 2,4-dinitrophenylhydrazones by micellar electrokinetic chromatography. Chemosphere, 1997, 35, 2131-2136.	4.2	11
136	Roles of Organic Modifiers in Micellar Electrokinetic Capillary Chromatography. Journal of High Resolution Chromatography, 1998, 21, 234-240.	2.0	11
137	Separation of 4-dimethylamino-6-(4-methoxy-1-naphthyl)-1,3,5-triazine-2-hydrazine derivatives of carbonyl compounds by reversed-phase capillary electrochromatography. Electrophoresis, 2001, 22, 1298-1304.	1.3	11
138	Separation and analysis of cis-diol-containing compounds by boronate affinity-assisted micellar electrokinetic chromatography. Analytical and Bioanalytical Chemistry, 2013, 405, 8579-8586.	1.9	11
139	Quantitative proteomic and phosphoproteomic studies reveal novel 5-fluorouracil resistant targets in hepatocellular carcinoma. Journal of Proteomics, 2019, 208, 103501.	1.2	10
140	Separation of acidic and neutral compounds by strong anion-exchange capillary electrochromatography dynamically modified with sodium dodecylsulfate. Chromatographia, 2001, 53, 425-430.	0.7	9
141	Molecularly Imprinted Polymer Nanoparticles: An Emerging Versatile Platform for Cancer Therapy. Angewandte Chemie, 2021, 133, 3902-3913.	1.6	9
142	Study on a hidden protein-DNA binding in salmon sperm DNA sample by dynamic kinetic capillary isoelectric focusing. Analytica Chimica Acta, 2009, 650, 106-110.	2.6	8
143	Multiplexed Single-Cell Plasmonic Immunoassay of Intracellular Signaling Proteins Enables Non-Destructive Monitoring of Cell Fate. Analytical Chemistry, 2021, 93, 14204-14213.	3.2	8
144	Spatio-temporally resolved detection on a microfluidic chip for monitoring the dynamic processes of molecular events. Analyst, The, 2012, 137, 4016.	1.7	7

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145	A new soft lithographic route for the facile fabrication of hydrophilic sandwich microchips. Electrophoresis, 2012, 33, 2591-2597.	1.3	7
146	Rationally Screened and Designed ABCG2-Binding Aptamers for Targeting Cancer Stem Cells and Reversing Multidrug Resistance. Analytical Chemistry, 2022, 94, 7375-7382.	3.2	7
147	An efficient approach based on basic strong cation exchange chromatography for enriching methylated peptides with high specificity for methylproteomics analysis. Analytica Chimica Acta, 2021, 1161, 338467.	2.6	6
148	High Mannose-Specific Aptamers for Broad-Spectrum Virus Inhibition and Cancer Targeting. CCS Chemistry, 2023, 5, 497-509.	4.6	6
149	Advances in protein analysis in single live cells: Principle, instrumentation and applications. TrAC - Trends in Analytical Chemistry, 2022, 152, 116619.	5.8	6
150	The transitional isoelectric focusing process. Analytical and Bioanalytical Chemistry, 2005, 382, 783-788.	1.9	5
151	Probing nucleus-enriched proteins in single living cells via a subcellular-resolved plasmonic immunosandwich assay. Analyst, The, 2021, 146, 2878-2885.	1.7	5
152	Preparation and Characterization of Fluorophenylboronic Acid-Functionalized Affinity Monolithic Columns for the Selective Enrichment of cis-Diol-Containing Biomolecules. Methods in Molecular Biology, 2015, 1286, 159-169.	0.4	5
153	A Glycoformâ€Resolved Dualâ€Modal Ratiometric Immunoassay Improves the Diagnostic Precision for Hepatocellular Carcinoma. Angewandte Chemie, 2022, 134, .	1.6	5
154	Multivariate optimization in micellar electrokinetic capillary chromatography. Journal of Separation Science, 2000, 12, 356-365.	1.0	4
155	Study on Open Tubular Capillary Affinity Liquid Chromatography. Journal of Chromatographic Science, 2000, 38, 517-520.	0.7	3
156	Advances in Protein Biomarker Assay via the Combination of Molecular Imprinting and Surface-enhanced Raman Scattering. Acta Chimica Sinica, 2021, 79, 45.	0.5	3
157	Construction of DNA ligase-mimicking nanozymes via molecular imprinting. Journal of Materials Chemistry B, 2022, 10, 6716-6723.	2.9	2
158	On the journey exploring nanoscale packing materials for ultra-efficient liquid chromatographic separation. Journal of Chromatography Open, 2022, 2, 100033.	0.8	2
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