

Zhen Liu

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.

160
papers

7,328
citations

48
h-index

79
g-index

179
ext. papers

8,302
ext. citations

7.2
avg, IF

6.51
L-index

#	Paper	IF	Citations
160	Boronate affinity materials for separation and molecular recognition: structure, properties and applications. <i>Chemical Society Reviews</i> , 2015 , 44, 8097-123	58.5	337
159	Boronate-Affinity Glycan-Oriented Surface Imprinting: A New Strategy to Mimic Lectins for the Recognition of an Intact Glycoprotein and Its Characteristic Fragments. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10211-5	16.4	249
158	Photolithographic boronate affinity molecular imprinting: a general and facile approach for glycoprotein imprinting. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7451-4	16.4	201
157	A boronate affinity sandwich assay: an appealing alternative to immunoassays for the determination of glycoproteins. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10386-9	16.4	199
156	Preparation of molecularly imprinted polymers specific to glycoproteins, glycans and monosaccharides via boronate affinity controllable-oriented surface imprinting. <i>Nature Protocols</i> , 2017 , 12, 964-987	18.8	195
155	Affinity-tunable specific recognition of glycoproteins via boronate affinity-based controllable oriented surface imprinting. <i>Chemical Science</i> , 2014 , 5, 1135	9.4	189
154	Ring-opening polymerization with synergistic co-monomers: access to a boronate-functionalized polymeric monolith for the specific capture of cis-diol-containing biomolecules under neutral conditions. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6704-7	16.4	181
153	Synthesis and Applications of Boronate Affinity Materials: From Class Selectivity to Biomimetic Specificity. <i>Accounts of Chemical Research</i> , 2017 , 50, 2185-2193	24.3	171
152	Facile preparation of glycoprotein-imprinted 96-well microplates for enzyme-linked immunosorbent assay by boronate affinity-based oriented surface imprinting. <i>Analytical Chemistry</i> , 2014 , 86, 959-66	7.8	163
151	A unique boronic acid functionalized monolithic capillary for specific capture, separation and immobilization of cis-diol biomolecules. <i>Chemical Communications</i> , 2011 , 47, 5067-9	5.8	157
150	Magnetic nanoparticles with dendrimer-assisted boronate avidity for the selective enrichment of trace glycoproteins. <i>Chemical Science</i> , 2013 , 4, 4298	9.4	154
149	Recent advances in monolithic column-based boronate-affinity chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 37, 148-161	14.6	136
148	Synthesis and characterization of a new boronate affinity monolithic capillary for specific capture of cis-diol-containing compounds. <i>Journal of Chromatography A</i> , 2009 , 1216, 4768-74	4.5	128
147	A benzoboroxole-functionalized monolithic column for the selective enrichment and separation of cis-diol containing biomolecules. <i>Chemical Communications</i> , 2012 , 48, 4115-7	5.8	125
146	"One-pot" process for fabrication of organic-silica hybrid monolithic capillary columns using organic monomer and alkoxy silane. <i>Analytical Chemistry</i> , 2009 , 81, 3529-36	7.8	123
145	Probing the interactions between boronic acids and cis-diol-containing biomolecules by affinity capillary electrophoresis. <i>Analytical Chemistry</i> , 2013 , 85, 2361-9	7.8	117
144	Restricted access boronate affinity porous monolith as a protein A mimetic for the specific capture of immunoglobulin G. <i>Chemical Science</i> , 2012 , 3, 1467	9.4	111

143	A self-assembled molecular team of boronic acids at the gold surface for specific capture of cis-diol biomolecules at neutral pH. <i>Chemical Communications</i> , 2011 , 47, 2255-7	5.8	110
142	Targeted cancer imaging and photothermal therapy via monosaccharide-imprinted gold nanorods. <i>Chemical Communications</i> , 2017 , 53, 6716-6719	5.8	109
141	Surface-enhanced Raman scattering imaging of cancer cells and tissues via sialic acid-imprinted nanotags. <i>Chemical Communications</i> , 2015 , 51, 17696-9	5.8	108
140	Targeting and Imaging of Cancer Cells via Monosaccharide-Imprinted Fluorescent Nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 22757	4.9	106
139	Synthesis of hydrophilic boronate affinity monolithic capillary for specific capture of glycoproteins by capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 8421-5	4.5	104
138	A Wulff-type boronate for boronate affinity capture of cis-diol compounds at medium acidic pH condition. <i>Chemical Communications</i> , 2011 , 47, 8169-71	5.8	101
137	Probing Low-Copy-Number Proteins in a Single Living Cell. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13215-13218	16.4	88
136	Coupling strong anion-exchange monolithic capillary with MALDI-TOF MS for sensitive detection of phosphopeptides in protein digest. <i>Analytical Chemistry</i> , 2010 , 82, 2907-15	7.8	87
135	Physically adsorbed chiral stationary phase of avidin on monolithic silica column for capillary electrochromatography and capillary liquid chromatography. <i>Electrophoresis</i> , 2002 , 23, 2973-81	3.6	86
134	Preparation of organic-silica hybrid boronate affinity monolithic column for the specific capture and separation of cis-diol containing compounds. <i>Journal of Chromatography A</i> , 2012 , 1256, 114-20	4.5	84
133	Inhibition of HER2-Positive Breast Cancer Growth by Blocking the HER2 Signaling Pathway with HER2-Glycan-Imprinted Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10621-10625	16.4	82
132	Specific recognition of proteins and peptides controllable oriented surface imprinting of boronate affinity-anchored epitopes. <i>Chemical Science</i> , 2019 , 10, 1831-1835	9.4	80
131	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. <i>Analytical Chemistry</i> , 2016 , 88, 1447-54	7.8	78
130	Separation of acidic compounds by strong anion-exchange capillary electrochromatography. <i>Journal of Chromatography A</i> , 2000 , 887, 223-31	4.5	65
129	Molecularly Imprinted Polymer-Based Plasmonic Immunosandwich Assay for Fast and Ultrasensitive Determination of Trace Glycoproteins in Complex Samples. <i>Analytical Chemistry</i> , 2016 , 88, 12363-12370	7.8	64
128	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. <i>Analytica Chimica Acta</i> , 2014 , 834, 1-8	6.6	64
127	A high boronate avidity monolithic capillary for the selective enrichment of trace glycoproteins. <i>Journal of Chromatography A</i> , 2015 , 1384, 88-96	4.5	63
126	Enzyme activity assay of glycoprotein enzymes based on a boronate affinity molecularly imprinted 96-well microplate. <i>Analytical Chemistry</i> , 2014 , 86, 12382-9	7.8	63

125	Separation of peptides by strong cation-exchange capillary electrochromatography. <i>Journal of Chromatography A</i> , 2000 , 869, 385-94	4.5	61
124	Capillary isoelectric focusing of proteins with liquid core waveguide laser-induced fluorescence whole column imaging detection. <i>Analytical Chemistry</i> , 2003 , 75, 4887-94	7.8	60
123	Molecularly Imprinted Plasmonic Substrates for Specific and Ultrasensitive Immunoassay of Trace Glycoproteins in Biological Samples. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12082-12091	9.5	58
122	Selective enrichment of endogenous peptides by chemically modified porous nanoparticles for peptidome analysis. <i>Journal of Chromatography A</i> , 2009 , 1216, 1270-8	4.5	56
121	Open tubular capillary electrochromatography with adsorbed stationary phase. <i>Analytica Chimica Acta</i> , 1999 , 378, 73-76	6.6	56
120	Preparation and characterization of fluorophenylboronic acid-functionalized monolithic columns for high affinity capture of cis-diol containing compounds. <i>Journal of Chromatography A</i> , 2013 , 1305, 123-30	4.5	55
119	Controllably Prepared Aptamer-Molecularly Imprinted Polymer Hybrid for High-Specificity and High-Affinity Recognition of Target Proteins. <i>Analytical Chemistry</i> , 2019 , 91, 4831-4837	7.8	53
118	Chiral separation by open tubular capillary electrochromatography with adsorbed avidin as a stationary phase. <i>Journal of Separation Science</i> , 2001 , 24, 17-26	3.4	53
117	Temporal Sensing Platform Based on Bipolar Electrode for the Ultrasensitive Detection of Cancer Cells. <i>Analytical Chemistry</i> , 2016 , 88, 8795-801	7.8	52
116	Efficient selection of glycoprotein-binding DNA aptamers via boronate affinity monolithic capillary. <i>Analytical Chemistry</i> , 2013 , 85, 8277-83	7.8	51
115	Dual-template docking oriented molecular imprinting: a facile strategy for highly efficient imprinting within mesoporous materials. <i>Chemical Communications</i> , 2015 , 51, 10929-32	5.8	51
114	Study of physically adsorbed stationary phases for open tubular capillary electrochromatography. <i>Electrophoresis</i> , 1999 , 20, 2891-7	3.6	51
113	Boronate functionalized magnetic nanoparticles and off-line hyphenation with capillary electrophoresis for specific extraction and analysis of biomolecules containing cis-diols. <i>Journal of Chromatography A</i> , 2009 , 1216, 7558-63	4.5	50
112	Recent progress in adsorbed stationary phases for capillary electrochromatography. <i>Electrophoresis</i> , 2002 , 23, 3954-72	3.6	48
111	Dual Molecularly Imprinted Polymer-Based Plasmonic Immunosandwich Assay for the Specific and Sensitive Detection of Protein Biomarkers. <i>Analytical Chemistry</i> , 2019 , 91, 9993-10000	7.8	47
110	Pyridinylboronic acid-functionalized organic-silica hybrid monolithic capillary for the selective enrichment and separation of cis-diol-containing biomolecules at acidic pH. <i>Journal of Chromatography A</i> , 2014 , 1339, 103-9	4.5	47
109	Effects of organic modifiers on retention mechanism and selectivity in micellar electrokinetic capillary chromatography studied by linear solvation energy relationships. <i>Journal of Chromatography A</i> , 1999 , 863, 69-79	4.5	47
108	Precision Imprinting of Glycopeptides for Facile Preparation of Glycan-Specific Artificial Antibodies. <i>Analytical Chemistry</i> , 2018 , 90, 9845-9852	7.8	46

107	On-line coupling of in-tube boronate affinity solid phase microextraction with high performance liquid chromatography-electrospray ionization tandem mass spectrometry for the determination of cis-diol biomolecules. <i>Talanta</i> , 2010 , 82, 270-6	6.2	45
106	Fine-tuning the specificity of boronate affinity monoliths toward glycoproteins through pH manipulation. <i>Analyst, The</i> , 2013 , 138, 290-8	5	44
105	Pattern Recognition of Cells via Multiplexed Imaging with Monosaccharide-Imprinted Quantum Dots. <i>Analytical Chemistry</i> , 2017 , 89, 5646-5652	7.8	43
104	Rapid and high-resolution glycoform profiling of recombinant human erythropoietin by capillary isoelectric focusing with whole column imaging detection. <i>Journal of Chromatography A</i> , 2008 , 1190, 372-6	4.5	42
103	Molecularly Imprinted Polymer-Based Smart Prodrug Delivery System for Specific Targeting, Prolonged Retention, and Tumor Microenvironment-Triggered Release. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2663-2667	16.4	42
102	Ring-Opening Polymerization with Synergistic Co-monomers: Access to a Boronate-Functionalized Polymeric Monolith for the Specific Capture of cis-Diol-Containing Biomolecules under Neutral Conditions. <i>Angewandte Chemie</i> , 2009 , 121, 6832-6835	3.6	40
101	Capillary electrochromatography using a strong cation-exchange column with a dynamically modified cationic surfactant. <i>Analytical Chemistry</i> , 2000 , 72, 616-21	7.8	40
100	Insights into the effect of nanoconfinement on molecular interactions. <i>Nanoscale</i> , 2014 , 6, 9563-7	7.7	38
99	Coupling of solid-phase microextraction and capillary isoelectric focusing with laser-induced fluorescence whole column imaging detection for protein analysis. <i>Analytical Chemistry</i> , 2005 , 77, 165-71	7.8	38
98	Behaviors of the MS2 virus and related antibodies in capillary isoelectric focusing with whole-column imaging detection. <i>Electrophoresis</i> , 2005 , 26, 556-62	3.6	38
97	Glycan-Imprinted Magnetic Nanoparticle-Based SELEX for Efficient Screening of Glycoprotein-Binding Aptamers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40918-40926	9.5	38
96	Applications of capillary isoelectric focusing with liquid-core waveguide laser-induced fluorescence whole-column imaging detection. <i>Analytical Biochemistry</i> , 2005 , 336, 94-101	3.1	37
95	Highly Efficient Solid-Phase Labeling of Saccharides within Boronic Acid Functionalized Mesoporous Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6173-6	16.4	36
94	Electrochemically deposited boronate affinity extracting phase for covalent solid phase microextraction of cis-diol biomolecules. <i>Talanta</i> , 2009 , 79, 746-51	6.2	35
93	Whole-column imaging-detection techniques and their analytical applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2005 , 24, 369-382	14.6	35
92	Molecularly Imprinted Polymer Nanoparticles: An Emerging Versatile Platform for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3858-3869	16.4	35
91	Capillary isoelectric focusing with laser-induced fluorescence whole column imaging detection as a tool to monitor reactions of proteins. <i>Journal of Proteome Research</i> , 2004 , 3, 567-71	5.6	34
90	Effects of organic modifiers on solute retention and electrokinetic migrations in micellar electrokinetic capillary chromatography. <i>Electrophoresis</i> , 1999 , 20, 2898-908	3.6	33

89	Recent progress in the combination of molecularly imprinted polymer-based affinity extraction and mass spectrometry for targeted proteomic analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 110, 417-428	14.6	33
88	Evaluation of extended light path capillary and etched capillary for use in open tubular capillary electrochromatography. <i>Journal of Chromatography A</i> , 2002 , 961, 285-91	4.5	32
87	Orthogonal dual molecularly imprinted polymer-based plasmonic immunosandwich assay: A double characteristic recognition strategy for specific detection of glycoproteins. <i>Biosensors and Bioelectronics</i> , 2019 , 145, 111729	11.8	28
86	Study of competitive binding of enantiomers to protein by affinity capillary electrochromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 27, 651-60	3.5	28
85	Highly Specific Electrochemiluminescence Detection of Cancer Cells with a Closed Bipolar Electrode. <i>ChemElectroChem</i> , 2016 , 3, 429-435	4.3	28
84	Hybrid Approach Combining Boronate Affinity Magnetic Nanoparticles and Capillary Electrophoresis for Efficient Selection of Glycoprotein-Binding Aptamers. <i>Analytical Chemistry</i> , 2016 , 88, 9805-9812	7.8	28
83	Weak anion exchange chromatographic profiling of glycoprotein isoforms on a polymer monolithic capillary. <i>Journal of Chromatography A</i> , 2012 , 1228, 276-82	4.5	27
82	Quantitation and on-line concentration of enantiomers in open-tubular capillary electrochromatography. <i>Electrophoresis</i> , 2001 , 22, 3791-7	3.6	27
81	Molecularly imprinted mesoporous silica nanoparticles for specific extraction and efficient identification of Amadori compounds. <i>Analytica Chimica Acta</i> , 2018 , 1019, 65-73	6.6	27
80	Use of a native affinity ligand for the detection of G proteins by capillary isoelectric focusing with laser-induced fluorescence detection. <i>Electrophoresis</i> , 2004 , 25, 2319-25	3.6	26
79	Capillary electrochromatography with a silica column with a dynamically modified cationic surfactant. <i>Journal of Chromatography A</i> , 1999 , 855, 137-45	4.5	26
78	Joint enhancement strategy applied in ECL biosensor based on closed bipolar electrodes for the detection of PSA. <i>Talanta</i> , 2016 , 154, 169-74	6.2	26
77	Bilinear temperature gradient focusing in a hybrid PDMS/glass microfluidic chip integrated with planar heaters for generating temperature gradients. <i>Analytical Chemistry</i> , 2012 , 84, 2968-73	7.8	25
76	Capillary isoelectric focusing coupled with dynamic imaging detection: A one-dimensional separation for two-dimensional protein characterization. <i>Journal of Proteome Research</i> , 2006 , 5, 1246-51	5.6	25
75	Recent advances in nanostructure/nanomaterial-assisted laser desorption/ionization mass spectrometry of low molecular mass compounds. <i>Analytica Chimica Acta</i> , 2019 , 1090, 1-22	6.6	24
74	Nanoconfining affinity materials for pH-mediated protein capture/release. <i>Chemical Science</i> , 2014 , 5, 4065-4069	9.4	24
73	Photolithographic Boronate Affinity Molecular Imprinting: A General and Facile Approach for Glycoprotein Imprinting. <i>Angewandte Chemie</i> , 2013 , 125, 7599-7602	3.6	24
72	Dynamic kinetic capillary isoelectric focusing: a powerful tool for studying protein-DNA interactions. <i>Analytical Chemistry</i> , 2007 , 79, 1097-100	7.8	24

71	Controllably prepared molecularly imprinted core-shell plasmonic nanostructure for plasmon-enhanced fluorescence assay. <i>Biosensors and Bioelectronics</i> , 2019 , 146, 111733	11.8	23
70	Pattern recognition of monosaccharides via a virtual lectin array constructed by boronate affinity-based pH-featured encoding. <i>Analytical Chemistry</i> , 2015 , 87, 4442-7	7.8	23
69	Integration of dialysis membranes into a poly(dimethylsiloxane) microfluidic chip for isoelectric focusing of proteins using whole-channel imaging detection. <i>Analytical Chemistry</i> , 2008 , 80, 7401-7	7.8	22
68	Characterization of plant growth-promoting rhizobacteria using capillary isoelectric focusing with whole column imaging detection. <i>Journal of Chromatography A</i> , 2007 , 1140, 213-8	4.5	22
67	Online coupling of solid-phase microextraction and capillary electrophoresis. <i>Journal of Chromatographic Science</i> , 2006 , 44, 366-74	1.4	22
66	Development of poly((3-acrylamidophenyl)boronic acid-co-N,N-methylenebisacrylamide) monolithic capillary for the selective capture of cis-diol biomolecules. <i>Analytical Methods</i> , 2013 , 5, 5444	3.2	20
65	Flow injection analysis methods for determination of diffusion coefficients. <i>Analytica Chimica Acta</i> , 1997 , 350, 359-363	6.6	20
64	Enantiomer separation by strong anion-exchange capillary electrochromatography with dynamically modified sulfated beta-cyclodextrin. <i>Electrophoresis</i> , 2001 , 22, 518-25	3.6	20
63	Boronic acid-mediated polymerase chain reaction for gene- and fragment-specific detection of 5-hydroxymethylcytosine. <i>Nucleic Acids Research</i> , 2014 , 42, e81	20.1	19
62	Boronate-Affinity Glycan-Oriented Surface Imprinting: A New Strategy to Mimic Lectins for the Recognition of an Intact Glycoprotein and Its Characteristic Fragments. <i>Angewandte Chemie</i> , 2015 , 127, 10349-10353	3.6	19
61	Immuno-magnetic beads-based extraction-capillary zone electrophoresis-deep UV laser-induced fluorescence analysis of erythropoietin. <i>Journal of Chromatography A</i> , 2012 , 1246, 48-54	4.5	18
60	Combination of large volume sample stacking and reversed pH junction in capillary electrophoresis for online preconcentration of glycoforms of recombinant human erythropoietin. <i>Journal of Separation Science</i> , 2009 , 32, 422-9	3.4	18
59	Side-by-side comparison of disposable microchips with commercial capillary cartridges for application in capillary isoelectric focusing with whole column imaging detection. <i>Lab on A Chip</i> , 2008 , 8, 1738-41	7.2	18
58	Microdialysis hollow fiber as a macromolecule trap for on-line coupling of solid phase microextraction and capillary electrophoresis. <i>Analyst, The</i> , 2006 , 131, 522-8	5	18
57	Boronate Affinity Fluorescent Nanoparticles for Förster Resonance Energy Transfer Inhibition Assay of cis-Diol Biomolecules. <i>Analytical Chemistry</i> , 2016 , 88, 5088-96	7.8	18
56	Multimodal Plasmonic Assay of Copper(II) Ion via Stimuli-Responsive State Transformation of Silver Molecular Nanoparticles. <i>Analytical Chemistry</i> , 2016 , 88, 8123-8	7.8	18
55	Fast probing of glucose and fructose in plant tissues via plasmonic affinity sandwich assay with molecularly-imprinted extraction microprobes. <i>Analytica Chimica Acta</i> , 2017 , 995, 34-42	6.6	16
54	Probing Low-Copy-Number Proteins in a Single Living Cell. <i>Angewandte Chemie</i> , 2016 , 128, 13409-13412	3.6	16

53	Probing cytoplasmic and nuclear microRNAs in single living cells plasmonic affinity sandwich assay. <i>Chemical Science</i> , 2018 , 9, 7241-7246	9.4	16
52	At-line coupling of magnetic-nanoparticle-based extraction with gel isoelectric focusing for protein analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 3423-9	4.4	16
51	Borate complexation-assisted field-enhanced sample injection for on-line preconcentration of cis-diol-containing compounds in capillary electrophoresis. <i>Talanta</i> , 2009 , 80, 544-50	6.2	16
50	Efficient Mass Spectrometric Dissection of Glycans via Gold Nanoparticle-Assisted in-Source Cation Adduction Dissociation. <i>Analytical Chemistry</i> , 2019 , 91, 8390-8397	7.8	14
49	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. <i>Journal of Chromatography A</i> , 2017 , 1498, 56-63	4.5	14
48	Modeling of retention behavior in capillary electrochromatography from chromatographic and electrophoretic data. <i>Journal of Chromatography A</i> , 2002 , 959, 241-53	4.5	14
47	Recent progress and application of boronate affinity materials in bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 140, 116271	14.6	13
46	Sol-gel preparation of titanium (IV)-immobilized hierarchically porous organosilica hybrid monoliths. <i>Analytica Chimica Acta</i> , 2019 , 1046, 199-207	6.6	13
45	CE in a nonuniform capillary modulated by a cylindrical insert, and zone-narrowing effects during sample injection. <i>Analytical Chemistry</i> , 2003 , 75, 3656-9	7.8	12
44	Inhibition of HER2-Positive Breast Cancer Growth by Blocking the HER2 Signaling Pathway with HER2-Glycan-Imprinted Nanoparticles. <i>Angewandte Chemie</i> , 2019 , 131, 10731-10735	3.6	11
43	A Boronate Affinity Sandwich Assay: An Appealing Alternative to Immunoassays for the Determination of Glycoproteins. <i>Angewandte Chemie</i> , 2014 , 126, 10554-10557	3.6	11
42	Separation of 4-dimethylamino-6-(4-methoxy-1-naphthyl)-1,3,5-triazine-2-hydrazine derivatives of carbonyl compounds by reversed-phase capillary electrochromatography. <i>Electrophoresis</i> , 2001 , 22, 1298-304	3.6	11
41	Theoretical study of the separation mechanism of ionizable compounds in capillary electrochromatography. <i>Science in China Series B: Chemistry</i> , 1999 , 42, 639-648		11
40	A new chromatographic approach to analyze methylproteome with enhanced lysine methylation identification performance. <i>Analytica Chimica Acta</i> , 2019 , 1068, 111-119	6.6	10
39	Convenient Construction of Orthogonal Dual Aptamer-Based Plasmonic Immunosandwich Assay for Probing Protein Disease Markers in Complex Samples and Living Animals. <i>ACS Sensors</i> , 2020 , 5, 1436-1444	9.2	10
38	Separation and analysis of cis-diol-containing compounds by boronate affinity-assisted micellar electrokinetic chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 8579-86	4.4	10
37	Roles of Organic Modifiers in Micellar Electrokinetic Capillary Chromatography. <i>Journal of High Resolution Chromatography</i> , 1998 , 21, 234-240		10
36	Determination of lower aliphatic carbonyl compounds in stack gas as their 2,4-dinitrophenylhydrazones by micellar electrokinetic chromatography. <i>Chemosphere</i> , 1997 , 35, 2131-2136	8.4	9

35	One-Step SH2 Superbinder-Based Approach for Sensitive Analysis of Tyrosine Phosphoproteome. <i>Journal of Proteome Research</i> , 2019 , 18, 1870-1879	5.6	8
34	Study on a hidden protein-DNA binding in salmon sperm DNA sample by dynamic kinetic capillary isoelectric focusing. <i>Analytica Chimica Acta</i> , 2009 , 650, 106-10	6.6	8
33	Controllable Engineering and Functionalizing of Nanoparticles for Targeting Specific Proteins towards Biomedical Applications. <i>Advanced Science</i> , 2021 , 8, e2101713	13.6	8
32	Quantitative proteomic and phosphoproteomic studies reveal novel 5-fluorouracil resistant targets in hepatocellular carcinoma. <i>Journal of Proteomics</i> , 2019 , 208, 103501	3.9	7
31	Gold Nanoparticle-Decorated [email-protected] ² Nanocomposite-Based Plasmonic Affinity Sandwich Assay of Circulating MicroRNAs in Human Serum. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3960-3970	5.6	7
30	Epitope-Imprinted Magnetic Nanoparticles as a General Platform for Efficient Evolution of Protein-Binding Aptamers. <i>ACS Sensors</i> , 2020 , 5, 2537-2544	9.2	7
29	Spatio-temporally resolved detection on a microfluidic chip for monitoring the dynamic processes of molecular events. <i>Analyst, The</i> , 2012 , 137, 4016-22	5	7
28	Separation of acidic and neutral compounds by strong anion-exchange capillary electrochromatography dynamically modified with sodium dodecylsulfate. <i>Chromatographia</i> , 2001 , 53, 425-430	2.1	7
27	Molecular imprinting and cladding produces antibody mimics with significantly improved affinity and specificity. <i>Science Bulletin</i> , 2021 ,	10.6	7
26	Probing low-copy-number proteins in single living cells using single-cell plasmonic immunosandwich assays. <i>Nature Protocols</i> , 2021 , 16, 3522-3546	18.8	7
25	Efficient Screening of Glycan-Specific Aptamers Using a Glycosylated Peptide as a Scaffold. <i>Analytical Chemistry</i> , 2021 , 93, 956-963	7.8	7
24	A new soft lithographic route for the facile fabrication of hydrophilic sandwich microchips. <i>Electrophoresis</i> , 2012 , 33, 2591-7	3.6	6
23	Highly Efficient Solid-Phase Labeling of Saccharides within Boronic Acid Functionalized Mesoporous Silica Nanoparticles. <i>Angewandte Chemie</i> , 2015 , 127, 6271-6274	3.6	5
22	Three-dimensional mesoporous dendritic fibrous nanosilica as a highly efficient DNA amplification platform for ultrasensitive detection of chlorpyrifos residues. <i>Sensors and Actuators B: Chemical</i> , 2020 , 319, 128246	8.5	5
21	The transitional isoelectric focusing process. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 783-8	4.4	5
20	Single-Cell Analysis of Signaling Proteins Provides Insights into Proapoptotic Properties of Anticancer Drugs. <i>Analytical Chemistry</i> , 2020 , 92, 12498-12508	7.8	5
19	Preparation and characterization of fluorophenylboronic acid-functionalized affinity monolithic columns for the selective enrichment of cis-diol-containing biomolecules. <i>Methods in Molecular Biology</i> , 2015 , 1286, 159-69	1.4	4
18	Dendritic Mesoporous Silica Nanospheres: Toward the Ultimate Minimum Particle Size for Ultraefficient Liquid Chromatographic Separation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22970-22977	9.5	4

17	Boronate Affinity Chromatography 2015 , 1-18		3
16	Multivariate optimization in micellar electrokinetic capillary chromatography. <i>Journal of Separation Science</i> , 2000 , 12, 356-365		3
15	Study on open tubular capillary affinity liquid chromatography. <i>Journal of Chromatographic Science</i> , 2000 , 38, 517-20	1.4	3
14	Molecularly Imprinted Polymer-Based Smart Prodrug Delivery System for Specific Targeting, Prolonged Retention, and Tumor Microenvironment-Triggered Release. <i>Angewandte Chemie</i> , 2021 , 133, 2695-2699	3.6	3
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12	Multiplexed Single-Cell Plasmonic Immunoassay of Intracellular Signaling Proteins Enables Non-Destructive Monitoring of Cell Fate. <i>Analytical Chemistry</i> , 2021 , 93, 14204-14213	7.8	2
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9	On the journey exploring nanoscale packing materials for ultra-efficient liquid chromatographic separation. <i>Journal of Chromatography Open</i> , 2022 , 2, 100033		1
8	Characterization of the binding strengths between boronic acids and cis-diol-containing biomolecules by affinity capillary electrophoresis. <i>Methods in Molecular Biology</i> , 2015 , 1286, 297-307	1.4	1
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4	Molecularly Imprinted Polymer Nanoparticles: An Emerging Versatile Platform for Cancer Therapy. <i>Angewandte Chemie</i> , 2021 , 133, 3902-3913	3.6	0
3	High Mannose-Specific Aptamers for Broad-Spectrum Virus Inhibition and Cancer Targeting. <i>CCS Chemistry</i> , 1-13	7.2	0
2	Advances in protein analysis in single live cells: principle, instrumentation and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116619	14.6	0
1	Boronate Affinity Chromatography 1-33		