

Marcella Chiari

List of Publications by Year in Descending Order

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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.

199
papers

4,609
citations

35
h-index

55
g-index

217
ext. papers

5,071
ext. citations

5.2
avg, IF

5.28
L-index

#	Paper	IF	Citations
199	Composite Peptide-Agarose Hydrogels for Robust and High-Sensitivity 3D Immunoassays.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	1
198	Differential Impedance Sensing platform for high selectivity antibody detection down to few counts: A case study on Dengue Virus.. <i>Biosensors and Bioelectronics</i> , 2022 , 202, 113996	11.8	3
197	A bi-functional polymeric coating for the co-immobilization of proteins and peptides on microarray substrates. <i>Analytica Chimica Acta</i> , 2021 , 1187, 339138	6.6	3
196	Extracellular Vesicles Analysis in the COVID-19 Era: Insights on Serum Inactivation Protocols towards Downstream Isolation and Analysis. <i>Cells</i> , 2021 , 10,	7.9	3
195	EV Separation: Release of Intact Extracellular Vesicles Immunocaptured on Magnetic Particles. <i>Analytical Chemistry</i> , 2021 , 93, 5476-5483	7.8	5
194	CovidArray: A Microarray-Based Assay with High Sensitivity for the Detection of Sars-Cov-2 in Nasopharyngeal Swabs. <i>Sensors</i> , 2021 , 21,	3.8	7
193	Advantageous antibody microarray fabrication through DNA-directed immobilization: A step toward use of extracellular vesicles in diagnostics. <i>Talanta</i> , 2021 , 222, 121542	6.2	9
192	A Reliable, Label Free Quality Control Method for the Production of DNA Microarrays with Clinical Applications. <i>Polymers</i> , 2021 , 13,	4.5	3
191	SARS-CoV-2 Epitope Mapping on Microarrays Highlights Strong Immune-Response to N Protein Region. <i>Vaccines</i> , 2021 , 9,	5.3	18
190	Simultaneous evaluation of multiple microarray surface chemistries through real-time interferometric imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3477-3487	4.4	8
189	Non-Langmuir Kinetics of DNA Surface Hybridization. <i>Biophysical Journal</i> , 2020 , 119, 989-1001	2.9	4
188	Optical and mechanical properties of streptavidin-conjugated gold nanospheres through data mining techniques. <i>Scientific Reports</i> , 2020 , 10, 16230	4.9	2
187	Polymer Coatings to Minimize Protein Adsorption in Solid-State Nanopores. <i>Small Methods</i> , 2020 , 4, 20001177	1.77	11
186	Membrane-binding peptides for extracellular vesicles on-chip analysis. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1751428	16.4	26
185	A self-assembling peptide hydrogel for ultrarapid 3D bioassays. <i>Nanoscale Advances</i> , 2019 , 1, 490-497	5.1	13
184	Computational Analysis of Dengue Virus Envelope Protein (E) Reveals an Epitope with Flavivirus Immunodiagnostic Potential in Peptide Microarrays. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	21
183	Peptides for Infectious Diseases: From Probe Design to Diagnostic Microarrays. <i>Antibodies</i> , 2019 , 8,	7	12

182	Towards precision medicine: the role and potential of protein and peptide microarrays. <i>Analyst, The</i> , 2019 , 144, 5353-5367	5	8
181	Microarray Approach Combined with ddPCR: An Useful Pipeline for the Detection and Quantification of Circulating Tumour dna Mutations. <i>Cells</i> , 2019 , 8,	7.9	6
180	Clickable cellulosic surfaces for peptide-based bioassays. <i>Talanta</i> , 2019 , 205, 120152	6.2	6
179	Evaluation of three advanced methodologies, COLD-PCR, microarray and ddPCR, for identifying the mutational status by liquid biopsies in metastatic colorectal cancer patients. <i>Clinica Chimica Acta</i> , 2019 , 489, 136-143	6.2	12
178	Array of multifunctional polymers for localized immobilization of biomolecules on microarray substrates. <i>Analytica Chimica Acta</i> , 2019 , 1047, 188-196	6.6	7
177	Enhancing Antibody Serodiagnosis Using a Controlled Peptide Coimmobilization Strategy. <i>ACS Infectious Diseases</i> , 2018 , 4, 998-1006	5.5	20
176	BPSL1626: Reverse and Structural Vaccinology Reveal a Novel Candidate for Vaccine Design against. <i>Antibodies</i> , 2018 , 7,	7	5
175	Analysis of KRAS, NRAS and BRAF mutational profile by combination of in-tube hybridization and universal tag-microarray in tumor tissue and plasma of colorectal cancer patients. <i>PLoS ONE</i> , 2018 , 13, e0207876	3.7	13
174	Multiple epitope presentation and surface density control enabled by chemoselective immobilization lead to enhanced performance in IgE-binding fingerprinting on peptide microarrays. <i>Analytica Chimica Acta</i> , 2017 , 983, 189-197	6.6	22
173	Synthesis of hydrogel via click chemistry for DNA electrophoresis. <i>Journal of Chromatography A</i> , 2017 , 1513, 226-234	4.5	5
172	Designing Probes for Immunodiagnostics: Structural Insights into an Epitope Targeting Burkholderia Infections. <i>ACS Infectious Diseases</i> , 2017 , 3, 736-743	5.5	4
171	Surface chemistry and morphology in single particle optical imaging. <i>Nanophotonics</i> , 2017 , 6, 713-730	6.3	11
170	Introduction to the special issue of optical biosensors. <i>Nanophotonics</i> , 2017 , 6, 623-625	6.3	4
169	Integrated platform for detecting pathogenic DNA via magnetic tunneling junction-based biosensors. <i>Sensors and Actuators B: Chemical</i> , 2017 , 242, 280-287	8.5	32
168	Clickable Polymeric Coating for Glycan Microarrays. <i>Methods in Molecular Biology</i> , 2017 , 1518, 55-65	1.4	
167	Evidence that the Human Innate Immune Peptide LL-37 may be a Binding Partner of Amyloid-β and Inhibitor of Fibril Assembly. <i>Journal of Alzheimer's Disease</i> , 2017 , 59, 1213-1226	4.3	27
166	Digital Detection of Exosomes by Interferometric Imaging. <i>Scientific Reports</i> , 2016 , 6, 37246	4.9	139
165	Evolving serodiagnostics by rationally designed peptide arrays: the Burkholderia paradigm in Cystic Fibrosis. <i>Scientific Reports</i> , 2016 , 6, 32873	4.9	19

164	A neutral polyacrylate copolymer coating for surface modification of thiol-ene microchannels for improved performance of protein separation by microchip electrophoresis. <i>Mikrochimica Acta</i> , 2016 , 183, 2111-2121	5.8	15
163	Multi-spot, label-free detection of viral infection in complex media by a non-reflecting surface. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 957-962	8.5	7
162	DNA microarray-based solid-phase PCR on copoly (DMA-NAS-MAPS) silicon coated slides: An example of relevant clinical application. <i>Biosensors and Bioelectronics</i> , 2016 , 78, 367-373	11.8	14
161	COLD-PCR and microarray: two independent highly sensitive approaches allowing the identification of fetal paternally inherited mutations in maternal plasma. <i>Journal of Medical Genetics</i> , 2016 , 53, 481-7	5.8	21
160	Reactive Microcontact Printing of DNA Probes on (DMA-NAS-MAPS) Copolymer-Coated Substrates for Efficient Hybridization Platforms. <i>Langmuir</i> , 2016 , 32, 3308-13	4	12
159	Loss of exosomes in progranulin-associated frontotemporal dementia. <i>Neurobiology of Aging</i> , 2016 , 40, 41-49	5.6	40
158	Combined mass quantitation and phenotyping of intact extracellular vesicles by a microarray platform. <i>Analytica Chimica Acta</i> , 2016 , 902, 160-167	6.6	10
157	Use of quantum dots as mass and fluorescence labels in microarray biosensing. <i>Talanta</i> , 2016 , 147, 397-401	4.1	9
156	Clickable Polymeric Coating for Oriented Peptide Immobilization. <i>Methods in Molecular Biology</i> , 2016 , 1352, 167-82	1.4	3
155	Click Chemistry Immobilization of Antibodies on Polymer Coated Gold Nanoparticles. <i>Langmuir</i> , 2016 , 32, 7435-41	4	29
154	Novel polymeric coatings with tailored hydrophobicity to control spot size and morphology in DNA microarray. <i>Sensors and Actuators B: Chemical</i> , 2016 , 231, 412-422	8.5	9
153	Poly(N,N-Dimethylacrylamide)-Based Coatings to Modulate Electroosmotic Flow and Capillary Surface Properties for Protein Analysis. <i>Methods in Molecular Biology</i> , 2016 , 1466, 107-19	1.4	
152	Screening Complex Biological Samples with Peptide Microarrays: The Favorable Impact of Probe Orientation via Chemoselective Immobilization Strategies on Clickable Polymeric Coatings. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2669-2677	6.3	31
151	Synthesis of Clickable Coating Polymers by Postpolymerization Modification: Applications in Microarray Technology. <i>Langmuir</i> , 2016 , 32, 10284-10295	4	25
150	Multi-spot, label-free immunoassay on reflectionless glass. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 539-45	11.8	12
149	Digital detection of biomarkers assisted by nanoparticles: application to diagnostics. <i>Trends in Biotechnology</i> , 2015 , 33, 343-51	15.1	36
148	New Clickable Polymeric coating for glycan microarrays. <i>Sensors and Actuators B: Chemical</i> , 2015 , 215, 412-420	8.5	26
147	Tuning capillary surface properties by charged polymeric coatings. <i>Journal of Chromatography A</i> , 2015 , 1414, 173-81	4.5	8

146	Characterization of porous alumina membranes for efficient, real-time, flow through biosensing. <i>Journal of Membrane Science</i> , 2015 , 476, 128-135	9.6	12
145	Flow-through, viral co-infection assay for resource-limited settings. <i>Talanta</i> , 2015 , 132, 315-20	6.2	6
144	Electroosmotic flow in polymer-coated slits: a joint experimental/simulation study. <i>Microfluidics and Nanofluidics</i> , 2015 , 18, 475-482	2.8	14
143	Controlling electroosmotic flows by polymer coatings: A joint experimental-theoretical investigation. <i>Journal of Chemical Physics</i> , 2015 , 143, 184907	3.9	8
142	Discrimination of molecular thin films by surface-sensitive time-resolved optical spectroscopy. <i>Applied Physics Letters</i> , 2015 , 107, 163107	3.4	6
141	Portable, Multispot, Label-Free Immunoassay on a Phantom Perfluorinated Plastic. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 13-17	0.2	
140	Protein microarray technology: how far off is routine diagnostics?. <i>Analyst, The</i> , 2014 , 139, 528-42	5	63
139	Universal hydrophilic coating of thermoplastic polymers currently used in microfluidics. <i>Biomedical Microdevices</i> , 2014 , 16, 107-14	3.7	40
138	One-pot phase transfer and surface modification of CdSe-ZnS quantum dots using a synthetic functional copolymer. <i>Chemical Communications</i> , 2014 , 50, 240-2	5.8	13
137	Real time optical immunosensing with flow-through porous alumina membranes. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 834-839	8.5	11
136	Characterization of a new fluorescence-enhancing substrate for microarrays with femtomolar sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2014 , 192, 15-22	8.5	13
135	Performance of a novel sieving matrix of poly(vinyl alcohol)/acrylamide copolymer in electrophoretic separations of high molecular weight proteins from red cell membrane. <i>Electrophoresis</i> , 2014 , 35, 1081-8	3.6	1
134	Neutral polymers as coatings for high resolution electrophoretic separation of Al β peptides on glass microchips. <i>Analyst, The</i> , 2014 , 139, 6547-55	5	13
133	Allergen immobilisation and signal amplification by quantum dots for use in a biosensor assay of IgE in serum. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 82-8	11.8	32
132	A fast and simple label-free immunoassay based on a smartphone. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 395-402	11.8	72
131	Optimization of the bio-functionalized area of magnetic biosensors. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	4
130	Surface immobilized hydrogels as versatile reagent reservoirs for microarrays. <i>Journal of Immunological Methods</i> , 2013 , 391, 95-102	2.5	3
129	Rational epitope design for protein targeting. <i>ACS Chemical Biology</i> , 2013 , 8, 397-404	4.9	30

128	Leveraging on nanomechanical sensors to single out active small ligands for α -microglobulin. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 1026-1031	8.5	8
127	Genotyping of single nucleotide polymorphisms by melting curve analysis using thin film semi-transparent heaters integrated in a lab-on-foil system. <i>Lab on A Chip</i> , 2013 , 13, 2075-82	7.2	18
126	Development of a high-sensitivity immunoassay for amyloid-beta 1-42 using a silicon microarray platform. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 490-5	11.8	56
125	Novel fluorescent microarray platforms: a case study in neurodegenerative disorders. <i>Expert Review of Molecular Diagnostics</i> , 2013 , 13, 863-73	3.8	5
124	Multispot, label-free biodetection at a phantom plastic-water interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9350-5	11.5	25
123	A new microarray substrate for ultra-sensitive genotyping of KRAS and BRAF gene variants in colorectal cancer. <i>PLoS ONE</i> , 2013 , 8, e59939	3.7	13
122	Surface modifications by polymers for biomolecule conjugation. <i>Methods in Molecular Biology</i> , 2013 , 1025, 95-107	1.4	4
121	Precisely controlled smart polymer scaffold for nanoscale manipulation of biomolecules. <i>Analytical Chemistry</i> , 2012 , 84, 10593-9	7.8	7
120	Modulation of electroosmotic flow in capillary electrophoresis using functional polymer coatings. <i>Journal of Chromatography A</i> , 2012 , 1270, 324-9	4.5	44
119	Synthesis and conformational characterization of functional di-block copolymer brushes for microarray technology. <i>Applied Surface Science</i> , 2012 , 258, 3750-3756	6.7	13
118	Quantification of surface etching by common buffers and implications on the accuracy of label-free biological assays. <i>Biosensors and Bioelectronics</i> , 2012 , 36, 222-9	11.8	20
117	Interferometric silicon biochips for label and label-free DNA and protein microarrays. <i>Proteomics</i> , 2012 , 12, 2963-77	4.8	24
116	COLD-PCR and innovative microarray substrates for detecting and genotyping MPL exon 10 W515 substitutions. <i>Clinical Chemistry</i> , 2012 , 58, 1692-702	5.5	8
115	Multiplexed method to calibrate and quantitate fluorescence signal for allergen-specific IgE. <i>Analytical Chemistry</i> , 2011 , 83, 9485-91	7.8	26
114	Biomolecular detection employing the Interferometric Reflectance Imaging Sensor (IRIS). <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	2
113	Overcoming mass transport limitations to achieve femtomolar detection limits on silicon protein microarrays. <i>Analytical Biochemistry</i> , 2011 , 418, 164-6	3.1	15
112	Silicon biochips for dual label-free and fluorescence detection: Application to protein microarray development. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3938-43	11.8	26
111	Nanopore Protein Biosensor Using Diffusive Flow. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 127002	1.4	

110	Precise control of DNA orientation for improved functionality in protein binding microarrays 2011 ,		1
109	A nanoelectromechanical biosensor based on precise quantification and control of DNA orientation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2011</i> , 2011, 4774-5	0.9	
108	Nanopore Protein Biosensor Using Diffusive Flow. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 127002	1.4	1
107	Allergen microarrays on high-sensitivity silicon slides. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 1723-33	4.4	31
106	Spectral Reflectance Imaging for a Multiplexed, High-Throughput, Label-Free, and Dynamic Biosensing Platform. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010 , 16, 635-646	3.8	8
105	High-resolution electrophoretic separation and integrated-waveguide excitation of fluorescent DNA molecules in a lab on a chip. <i>Electrophoresis</i> , 2010 , 31, 2584-8	3.6	16
104	Label-free microarray imaging for direct detection of DNA hybridization and single-nucleotide mismatches. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1789-95	11.8	49
103	A 6 \times 6 photon-counting array detector system for fast and sensitive analysis of protein microarrays. <i>Sensors and Actuators B: Chemical</i> , 2010 , 149, 420-426	8.5	6
102	Coating of nitrocellulose for colorimetric DNA microarrays. <i>Analytical Biochemistry</i> , 2010 , 397, 84-8	3.1	45
101	Peptide microarrays on coated silicon slides for highly sensitive antibody detection. <i>Methods in Molecular Biology</i> , 2010 , 669, 147-60	1.4	5
100	Fluorescence enhancement on reflecting substrates for microarray applications 2009 ,		2
99	High-sensitive microarray substrates specifically designed to improve sensitivity for the identification of fetal paternally inherited sequences in maternal plasma. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009 , 47, 818-23	5.9	6
98	Quantification of DNA and protein adsorption by optical phase shift. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 167-72	11.8	60
97	Optical sensing in microfluidic lab-on-a-chip by femtosecond-laser-written waveguides. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 1209-16	4.4	20
96	Detection of allergen specific immunoglobulins by microarrays coupled to microfluidics. <i>Proteomics</i> , 2009 , 9, 2098-107	4.8	35
95	Breath figures-mediated microprinting allows for versatile applications in molecular biology. <i>European Polymer Journal</i> , 2009 , 45, 3027-3034	5.2	25
94	High sensitivity protein assays on microarray silicon slides. <i>Analytical Chemistry</i> , 2009 , 81, 5197-203	7.8	60
93	Direct observation of conformation of a polymeric coating with implications in microarray applications. <i>Analytical Chemistry</i> , 2009 , 81, 625-30	7.8	49

92	Epitope mapping of human chromogranin A by peptide microarrays. <i>Methods in Molecular Biology</i> , 2009 , 570, 221-32	1.4	6
91	Genotyping beta-globin gene mutations on copolymer-coated glass slides with the ligation detection reaction. <i>Clinical Chemistry</i> , 2008 , 54, 1657-63	5.5	14
90	Advances in parallel screening of drug candidates. <i>Current Medicinal Chemistry</i> , 2008 , 15, 1706-19	4.3	14
89	A biofunctional polymeric coating for microcantilever molecular recognition. <i>Analytica Chimica Acta</i> , 2008 , 630, 161-7	6.6	36
88	Functionalization of poly(dimethylsiloxane) by chemisorption of copolymers: DNA microarrays for pathogen detection. <i>Sensors and Actuators B: Chemical</i> , 2008 , 132, 258-264	8.5	27
87	Development of new substrates for high-sensitive genotyping of minority mutated alleles. <i>Electrophoresis</i> , 2008 , 29, 4714-22	3.6	8
86	Dual-color microchip electrophoresis with single-photon avalanche diodes: application to mutation detection. <i>Electrophoresis</i> , 2008 , 29, 4972-5	3.6	4
85	Advanced polymers for molecular recognition and sensing at the interface. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 866, 89-103	3.2	16
84	High-throughput mutational screening for beta-thalassemia by single-nucleotide extension. <i>Electrophoresis</i> , 2007 , 28, 4289-94	3.6	7
83	Microchips and single-photon avalanche diodes for DNA separation with high sensitivity. <i>Electrophoresis</i> , 2006 , 27, 3797-804	3.6	17
82	Surface behavior and molecular recognition in DNA microarrays from N,N-dimethylacrylamide terpolymers with activated esters as linking groups. <i>Macromolecular Bioscience</i> , 2006 , 6, 719-29	5.5	14
81	Microarray glass slides coated with block copolymer brushes obtained by reversible addition chain-transfer polymerization. <i>Analytical Chemistry</i> , 2006 , 78, 3118-24	7.8	41
80	Protein and peptide arrays: recent trends and new directions. <i>New Biotechnology</i> , 2006 , 23, 77-88		211
79	Different approaches for noninvasive prenatal diagnosis of genetic diseases based on PNA-mediated enriched PCR. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1075, 137-43	6.5	10
78	Separation of DNA in a versatile microchip. <i>Sensors and Actuators B: Chemical</i> , 2005 , 107, 975-979	8.5	9
77	Electroosmotic flow suppression in capillary electrophoresis: chemisorption of trimethoxy silane-modified polydimethylacrylamide. <i>Electrophoresis</i> , 2005 , 26, 1913-9	3.6	44
76	Detection of the R553X DNA single point mutation related to cystic fibrosis by a "chiral box" D-lysine-peptide nucleic acid probe by capillary electrophoresis. <i>Electrophoresis</i> , 2005 , 26, 4310-6	3.6	26
75	Peptide microarrays for the characterization of antigenic regions of human chromogranin A. <i>Proteomics</i> , 2005 , 5, 3600-3	4.8	32

74	Acrylamide-agarose copolymers: improved resolution of high molecular mass proteins in two-dimensional gel electrophoresis. <i>Proteomics</i> , 2005 , 5, 2331-9	4.8	16
73	A new polymeric coating for protein microarrays. <i>Analytical Biochemistry</i> , 2004 , 332, 67-74	3.1	111
72	Characterization of a polymeric adsorbed coating for DNA microarray glass slides. <i>Analytical Chemistry</i> , 2004 , 76, 1352-8	7.8	117
71	Use of high-molecular-mass polyacrylamides as matrices for microchip electrophoresis of DNA fragments. <i>Electrophoresis</i> , 2003 , 24, 3793-9	3.6	10
70	Nonconventional synthesis and characterization of ultrahigh-molar-mass polyacrylamides. <i>Electrophoresis</i> , 2003 , 24, 2322-7	3.6	8
69	Separation of proteins in a multicompartement electrolyzer with chambers defined by a bed of gel beads. <i>Electrophoresis</i> , 2003 , 24, 577-81	3.6	18
68	Separation of DNA fragments in hydroxylated poly(dimethylacrylamide) copolymers. <i>Electrophoresis</i> , 2002 , 23, 536-41	3.6	25
67	Use of peptide nucleic acid probes for detecting DNA single-base mutations by capillary electrophoresis. <i>Electrophoresis</i> , 2002 , 23, 926-9	3.6	24
66	Decreased protein peak asymmetry and width due to static capillary coating with hydrophilic derivatives of polydimethylacrylamide. <i>Electrophoresis</i> , 2002 , 23, 2274-8	3.6	18
65	Multimodal open-tubular capillary electrochromatographic analysis of amines and peptides. <i>Electrophoresis</i> , 2002 , 23, 2982-9	3.6	33
64	Pherogram normalization in capillary electrophoresis and micellar electrokinetic chromatography analyses in cases of sample matrix-induced migration time shifts. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002 , 770, 45-51	3.2	33
63	Rapid capillary coating by epoxy-poly-(dimethylacrylamide): performance in capillary zone electrophoresis of protein and polystyrene carboxylate. <i>Electrophoresis</i> , 2001 , 22, 656-9	3.6	32
62	Performances of new sugar-bearing poly(acrylamide) copolymers as DNA sieving matrices and capillary coatings for electrophoresis. <i>Electrophoresis</i> , 2001 , 22, 699-706	3.6	19
61	Chiral capillary electrophoresis and nuclear magnetic resonance investigation on the structure-enantioselectivity relationship in synthetic cyclopeptides as chiral selectors. <i>Electrophoresis</i> , 2001 , 22, 1373-84	3.6	12
60	Capillary electrophoresis investigation on the structure-enantioselectivity relationship in synthetic cyclopeptides as chiral selectors. <i>Electrophoresis</i> , 2001 , 22, 3257-62	3.6	9
59	Use of a fluorosurfactant in micellar electrokinetic capillary chromatography. <i>Journal of Chromatography A</i> , 2001 , 916, 73-8	4.5	7
58	Capillary coatings. Choices for capillary electrophoresis of DNA. <i>Methods in Molecular Biology</i> , 2001 , 162, 125-38	1.4	2
57	Stereoselective synthesis of (S)-(+)-Naproxen catalyzed by carboxyl esterase in a multicompartement electrolyzer. <i>Journal of Proteomics</i> , 2001 , 48, 247-56		6

56	New adsorbed coatings for capillary electrophoresis. <i>Electrophoresis</i> , 2000 , 21, 909-16	3.6	124
55	A new adsorbed coating for DNA fragment analysis by capillary electrophoresis. <i>Electrophoresis</i> , 2000 , 21, 1521-6	3.6	49
54	Evaluation of new adsorbed coatings in chiral capillary electrophoresis and the partial filling technique. <i>Electrophoresis</i> , 2000 , 21, 2343-51	3.6	19
53	Allylamine-beta-cyclodextrin copolymer. A novel chiral selector for capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000 , 894, 95-103	4.5	10
52	External electric field control of electroosmotic flow in non-coated and coated fused-silica capillaries and its application for capillary electrophoretic separations of peptides. <i>Biomedical Applications</i> , 2000 , 741, 43-54		23
51	Use of cyclofructan as a potential complexing agent in capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999 , 838, 111-119	4.5	15
50	Poly(vinylamine)-coated capillaries with reversed electroosmotic flow for the separation of organic anions. <i>Journal of Chromatography A</i> , 1999 , 836, 81-91	4.5	12
49	Vinylpyrrolidone-beta-cyclodextrin copolymer: a novel chiral selector for capillary electrophoresis. <i>Electrophoresis</i> , 1999 , 20, 2614-8	3.6	19
48	Enhancement of selectivity in capillary electrophoretic separations of metals and ligands through complex formation. <i>Journal of Chromatography A</i> , 1998 , 805, 1-15	4.5	43
47	Characterization of poly(dimethylacrylamide) and the combination of poly(vinyl alcohol) and cetyltrimethylammonium bromide as dynamic electroosmotic flow suppression agents in capillary electrophoresis. <i>Journal of Chromatography A</i> , 1998 , 817, 15-23	4.5	14
46	Separation of neutral compounds by capillary electrokinetic chromatography using polyethyleneimine as replaceable cationic pseudostationary phase. <i>Electrophoresis</i> , 1998 , 19, 2124-8	3.6	24
45	Separation of oligonucleotides and DNA fragments by capillary electrophoresis in dynamically and permanently coated capillaries, using a copolymer of acrylamide and beta-D-glucopyranoside as a new low viscosity matrix with high sieving capacity. <i>Electrophoresis</i> , 1998 , 19, 3154-9	3.6	23
44	Low viscosity DNA sieving matrices for capillary electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , 1998 , 17, 623-632	14.6	18
43	Combinatorial synthesis of highly selective cyclohexapeptides for separation of amino Acid enantiomers by capillary electrophoresis. <i>Analytical Chemistry</i> , 1998 , 70, 4967-73	7.8	46
42	Separations of DNA fragments by capillary electrophoresis in N-substituted polyacrylamides. <i>Journal of Chromatography A</i> , 1997 , 781, 347-355	4.5	36
41	Developments in Capillary Coating and DNA Separation Matrices. <i>Chromatographia CE Series</i> , 1997 , 135-173		2
40	Enzyme reactions in a multicompartiment electrolyzer with isoelectrically trapped enzymes. <i>Journal of Proteomics</i> , 1996 , 31, 93-104		12
39	Synthesis and characterization of capillary columns coated with glycoside-bearing polymer. <i>Analytical Chemistry</i> , 1996 , 68, 2731-6	7.8	54

38	Isoelectric focusing in immobilized pH gradients. <i>Methods in Enzymology</i> , 1996 , 270, 235-55	1.7	11
37	Electrophoretic separation of biopolymers in a matrix of polyacrylamide covalently linked to agarose. <i>Electrophoresis</i> , 1996 , 17, 473-8	3.6	5
36	Chiral separation of muscarinic antagonists by capillary zone electrophoresis with cyclodextrin additives. <i>Journal of Chromatography A</i> , 1996 , 741, 287-294	4.5	8
35	Separation of organic acids by capillary zone electrophoresis in buffers containing divalent metal cations. <i>Journal of Chromatography A</i> , 1996 , 745, 93-101	4.5	31
34	Capillary zone electrophoresis in organic solvents: separation of anions in methanolic buffer solutions. <i>Journal of Chromatography A</i> , 1995 , 716, 303-309	4.5	69
33	New types of large-pore polyacrylamide-agarose mixed-bed matrices for DNA electrophoresis: pore size estimation from Ferguson plots of DNA fragments. <i>Electrophoresis</i> , 1995 , 16, 1337-44	3.6	19
32	New types of separation matrices for electrophoresis. <i>Electrophoresis</i> , 1995 , 16, 1815-29	3.6	35
31	Capillary electrophoretic separation of proteins using stable, hydrophilic poly(acryloylaminoethoxyethanol)-coated columns. <i>Journal of Chromatography A</i> , 1995 , 717, 1-13	4.5	68
30	Preparative isoelectric focusing in multicompartement electrolyzers: novel, hydrolytically stable and hydrophilic isoelectric membranes. <i>Electrophoresis</i> , 1994 , 15, 953-9	3.6	20
29	Towards new formulations for polyacrylamide matrices: N-acryloylaminoethoxyethanol, a novel monomer combining high hydrophilicity with extreme hydrolytic stability. <i>Electrophoresis</i> , 1994 , 15, 177-86	3.6	127
28	Capillary zone electrophoresis of DNA fragments in a novel polymer network: poly(N-acryloylaminoethoxyethanol). <i>Electrophoresis</i> , 1994 , 15, 616-22	3.6	71
27	Capillary electrophoresis of polymerase chain reaction-amplified products in polymer networks: the case of Kennedy's disease. <i>Electrophoresis</i> , 1994 , 15, 644-6	3.6	28
26	Capillary electrophoresis of nicotinamideadenine dinucleotide and nicotinamideadenine dinucleotide phosphate derivatives in coated tubular columns. <i>Journal of Chromatography A</i> , 1994 , 670, 215-221	4.5	10
25	Separation of charged and neutral isotopic molecules by micellar electrokinetic chromatography in coated capillaries. <i>Journal of Chromatography A</i> , 1994 , 680, 571-577	4.5	26
24	Towards new formulations for polyacrylamide matrices, as investigated by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1993 , 638, 165-178	4.5	12
23	Determination of total vitamin C in fruits by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1993 , 645, 197-200	4.5	53
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19	Prediction of current-voltage dependence and electrochemical calibration for capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992 , 625, 323-330	4.5	34
18	Capillary electrophoresis of macromolecules in 'syrupy' solutions: facts and misfacts. <i>Electrophoresis</i> , 1992 , 13, 690-7	3.6	67
17	Preincubation with cysteine prevents modification of sulfhydryl groups in proteins by unreacted acrylamide in a gel. <i>Electrophoresis</i> , 1992 , 13, 882-4	3.6	62
16	Capillary zone electrophoresis analysis of acrylamido buffers for isoelectric focusing in immobilized pH gradients. <i>Journal of Chromatography A</i> , 1991 , 559, 119-131	4.5	8
15	Synthesis of a new acrylamido buffer (acryloylhistamine) for isoelectric focusing in immobilized pH gradients and its analysis by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1991 , 558, 285-295	4.5	13
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12	Oxidation of cysteine to cysteic acid in proteins by peroxyacids, as monitored by immobilized pH gradients. <i>Electrophoresis</i> , 1991 , 12, 376-7	3.6	10
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10	Physico-chemical properties of amphoteric, isoelectric, macroreticulate buffers. <i>Journal of Proteomics</i> , 1991 , 23, 115-30		9
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6	Synthesis of an hydrophilic, pK 8.05 buffer for isoelectric focusing in immobilized pH gradients. <i>Journal of Proteomics</i> , 1990 , 21, 165-72		19
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