

Emanuel Carrilho

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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.

192
papers

10,305
citations

41
h-index

99
g-index

220
ext. papers

11,284
ext. citations

4.1
avg. IF

6.29
L-index

#	Paper	IF	Citations
192	Diagnostics for the developing world: microfluidic paper-based analytical devices. <i>Analytical Chemistry</i> , 2010 , 82, 3-10	7.8	1986
191	Understanding wax printing: a simple micropatterning process for paper-based microfluidics. <i>Analytical Chemistry</i> , 2009 , 81, 7091-5	7.8	1170
190	Simple telemedicine for developing regions: camera phones and paper-based microfluidic devices for real-time, off-site diagnosis. <i>Analytical Chemistry</i> , 2008 , 80, 3699-707	7.8	1152
189	Paper-based ELISA. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4771-4	16.4	551
188	Paper microzone plates. <i>Analytical Chemistry</i> , 2009 , 81, 5990-8	7.8	316
187	Programmable diagnostic devices made from paper and tape. <i>Lab on A Chip</i> , 2010 , 10, 2499-504	7.2	292
186	Technical aspects and challenges of colorimetric detection with microfluidic paper-based analytical devices (PADs) - A review. <i>Analytica Chimica Acta</i> , 2017 , 970, 1-22	6.6	213
185	Rapid DNA sequencing of more than 1000 bases per run by capillary electrophoresis using replaceable linear polyacrylamide solutions. <i>Analytical Chemistry</i> , 1996 , 68, 3305-13	7.8	181
184	Characterization and performance of a neutral hydrophilic coating for the capillary electrophoretic separation of biopolymers. <i>Journal of Chromatography A</i> , 1993 , 652, 149-59	4.5	166
183	A handheld stamping process to fabricate microfluidic paper-based analytical devices with chemically modified surface for clinical assays. <i>RSC Advances</i> , 2014 , 4, 37637-37644	3.7	158
182	A review of DNA sequencing techniques. <i>Quarterly Reviews of Biophysics</i> , 2002 , 35, 169-200	7	151
181	Paper-based analytical device for electrochemical flow-injection analysis of glucose in urine. <i>Analytical Chemistry</i> , 2012 , 84, 4147-52	7.8	140
180	Routine DNA sequencing of 1000 bases in less than one hour by capillary electrophoresis with replaceable linear polyacrylamide solutions. <i>Analytical Chemistry</i> , 1998 , 70, 3996-4003	7.8	133
179	Toner and paper-based fabrication techniques for microfluidic applications. <i>Electrophoresis</i> , 2010 , 31, 2487-98	3.6	128
178	Capacitively coupled contactless conductivity detection on microfluidic systems—ten years of development. <i>Analytical Methods</i> , 2012 , 4, 25-33	3.2	123
177	Determination of nitrite in saliva using microfluidic paper-based analytical devices. <i>Analytica Chimica Acta</i> , 2014 , 809, 117-22	6.6	115
176	DNA sequencing by capillary array electrophoresis and microfabricated array systems. <i>Electrophoresis</i> , 2000 , 21, 55-65	3.6	108

175	Recent advances in low-cost microfluidic platforms for diagnostic applications. <i>Electrophoresis</i> , 2014 , 35, 2309-24	3.6	107
174	Characterization of high molecular mass linear polyacrylamide powder prepared by emulsion polymerization as a replaceable polymer matrix for DNA sequencing by capillary electrophoresis. <i>Electrophoresis</i> , 1998 , 19, 242-8	3.6	95
173	Searching for urine biomarkers of bladder cancer recurrence using a liquid chromatography-mass spectrometry and capillary electrophoresis-mass spectrometry metabolomics approach. <i>Journal of Chromatography A</i> , 2013 , 1318, 163-70	4.5	91
172	An electrochemical gas sensor based on paper supported room temperature ionic liquids. <i>Lab on A Chip</i> , 2012 , 12, 153-8	7.2	91
171	Inexpensive, rapid prototyping of microfluidic devices using overhead transparencies and a laser print, cut and laminate fabrication method. <i>Nature Protocols</i> , 2015 , 10, 875-86	18.8	83
170	Paper-Based ELISA. <i>Angewandte Chemie</i> , 2010 , 122, 4881-4884	3.6	80
169	A sample purification method for rugged and high-performance DNA sequencing by capillary electrophoresis using replaceable polymer solutions. A. Development of the cleanup protocol. <i>Analytical Chemistry</i> , 1998 , 70, 1516-27	7.8	72
168	Dynamic solid phase DNA extraction and PCR amplification in polyester-toner based microchip. <i>Analytical Chemistry</i> , 2011 , 83, 5182-9	7.8	69
167	Fingerprinting of anthocyanins from grapes produced in Brazil using HPLC-DAD-MS and exploratory analysis by principal component analysis. <i>Food Chemistry</i> , 2014 , 145, 395-403	8.5	67
166	A rapid and automated low resolution NMR method to analyze oil quality in intact oilseeds. <i>Analytica Chimica Acta</i> , 2007 , 596, 325-9	6.6	67
165	A sample purification method for rugged and high-performance DNA sequencing by capillary electrophoresis using replaceable polymer solutions. B. Quantitative determination of the role of sample matrix components on sequencing analysis. <i>Analytical Chemistry</i> , 1998 , 70, 1528-35	7.8	61
164	Electrophoresis microchip fabricated by a direct-printing process with end-channel amperometric detection. <i>Electrophoresis</i> , 2004 , 25, 3832-9	3.6	55
163	Dual contactless conductivity and amperometric detection on hybrid PDMS/glass electrophoresis microchips. <i>Analyst, The</i> , 2010 , 135, 96-103	5	54
162	Optimization of solid-phase microextraction procedures for the determination of tricyclic antidepressants and anticonvulsants in plasma samples by liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 256-63	4.4	53
161	Comparison of the analytical performance of electrophoresis microchannels fabricated in PDMS, glass, and polyester-toner. <i>Electrophoresis</i> , 2008 , 29, 4928-37	3.6	51
160	Validation of non-aqueous capillary electrophoresis for simultaneous determination of four tricyclic antidepressants in pharmaceutical formulations and plasma samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004 , 799, 127-32	3.2	49
159	A toner-mediated lithographic technology for rapid prototyping of glass microchannels. <i>Lab on A Chip</i> , 2007 , 7, 931-4	7.2	48
158	Simultaneous determination of renal function biomarkers in urine using a validated paper-based microfluidic analytical device. <i>Analytica Chimica Acta</i> , 2018 , 997, 16-23	6.6	47

157	Determination of amino acids by capillary electrophoresis-electrospray ionization-mass spectrometry: an evaluation of different protein hydrolysis procedures. <i>Electrophoresis</i> , 2008 , 29, 2051-8 ^{3.6}	44
156	Degradation of 2,4-D herbicide by microorganisms isolated from Brazilian contaminated soil. <i>Brazilian Journal of Microbiology</i> , 2007 , 38, 522-525	2.2 43
155	Improving Sample Distribution Homogeneity in Three-Dimensional Microfluidic Paper-Based Analytical Devices by Rational Device Design. <i>Analytical Chemistry</i> , 2017 , 89, 4786-4792	7.8 42
154	Rapid analysis of azo-dyes in food by microchip electrophoresis with electrochemical detection. <i>Electrophoresis</i> , 2007 , 28, 4240-6	3.6 42
153	Laser-induced fluorescence and UV detection of derivatized aldehydes in air samples using capillary electrophoresis. <i>Journal of Chromatography A</i> , 2002 , 979, 409-16	4.5 42
152	Determination of the dissociation constants (pKa) of secondary and tertiary amines in organic media by capillary electrophoresis and their role in the electrophoretic mobility order inversion. <i>Journal of Chromatography A</i> , 2005 , 1068, 99-105	4.5 42
151	Detection of siderophores in endophytic bacteria <i>Methylobacterium</i> spp. associated with <i>Xylella fastidiosa</i> subsp. <i>pauca</i> . <i>Pesquisa Agropecuaria Brasileira</i> , 2008 , 43, 521-528	1.8 39
150	Bacterial cellulose-based electrochemical sensing platform: A smart material for miniaturized biosensors. <i>Electrochimica Acta</i> , 2020 , 349, 136341	6.7 37
149	Characterization of dynamic solid phase DNA extraction from blood with magnetically controlled silica beads. <i>Analyst, The</i> , 2010 , 135, 531-7	5 37
148	Fabrication and integration of planar electrodes for contactless conductivity detection on polyester-toner electrophoresis microchips. <i>Electrophoresis</i> , 2008 , 29, 2260-5	3.6 37
147	Characterization of a putative <i>Xylella fastidiosa</i> diffusible signal factor by HRGC-EI-MS. <i>Journal of Mass Spectrometry</i> , 2007 , 42, 490-6	2.2 36
146	Self-regenerating and hybrid irreversible/reversible PDMS microfluidic devices. <i>Scientific Reports</i> , 2016 , 6, 26032	4.9 35
145	Pathway for unfolding of ubiquitin in sodium dodecyl sulfate, studied by capillary electrophoresis. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17384-93	16.4 35
144	Development and statistical assessment of a paper-based immunoassay for detection of tumor markers. <i>Analytica Chimica Acta</i> , 2017 , 950, 156-161	6.6 34
143	A rapid and reliable bonding process for microchip electrophoresis fabricated in glass substrates. <i>Electrophoresis</i> , 2010 , 31, 2526-33	3.6 34
142	Polyurethane from biosource as a new material for fabrication of microfluidic devices by rapid prototyping. <i>Journal of Chromatography A</i> , 2007 , 1173, 151-8	4.5 34
141	Capillary electrophoresis for the detection of known point mutations by single-nucleotide primer extension and laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 1997 , 781, 367-75	4.5 32
140	Fast quantitative analysis of soybean oil in olive oil by high-temperature capillary gas chromatography. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 1993 , 70, 1051-1053	1.8 32

139	Growth and siderophore production of <i>Xylella fastidiosa</i> under iron-limited conditions. <i>Microbiological Research</i> , 2005 , 160, 429-36	5.3	30
138	Rapid prototyping of polymeric electrophoresis microchips with integrated electrodes for contactless conductivity detection. <i>Analytical Methods</i> , 2011 , 3, 168-172	3.2	29
137	Electrokinetic control of fluid in plastified laser-printed poly(ethylene terephthalate)-toner microchips. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 192-7	4.4	29
136	The Role of Efflux Pumps in <i>Schistosoma mansoni</i> Praziquantel Resistant Phenotype. <i>PLoS ONE</i> , 2015 , 10, e0140147	3.7	29
135	Morphological Characteristics of <i>Schistosoma mansoni</i> PZQ-Resistant and -Susceptible Strains Are Different in Presence of Praziquantel. <i>Frontiers in Microbiology</i> , 2016 , 7, 594	5.7	29
134	DNA purification using dynamic solid-phase extraction on a rotationally-driven polyethylene-terephthalate microdevice. <i>Analytica Chimica Acta</i> , 2016 , 937, 1-10	6.6	29
133	Disposable polyester-toner electrophoresis microchips for DNA analysis. <i>Analyst, The</i> , 2012 , 137, 2692-85		28
132	Fabrication of glass microchannels by xurography for electrophoresis applications. <i>Analyst, The</i> , 2013 , 138, 1660-4	5	26
131	Rapid and sensitive measurements of nitrate ester explosives using microchip electrophoresis with electrochemical detection. <i>Analyst, The</i> , 2009 , 134, 528-32	5	26
130	Glass/PDMS hybrid microfluidic device integrating vertically aligned SWCNTs to ultrasensitive electrochemical determinations. <i>Lab on A Chip</i> , 2012 , 12, 1959-62	7.2	24
129	Inactivation of <i>Alicyclobacillus acidoterrestris</i> in orange juice by saponin extracts combined with heat-treatment. <i>International Journal of Food Microbiology</i> , 2012 , 159, 130-5	5.8	23
128	Contactless conductivity biosensor in microchip containing folic acid as bioreceptor. <i>Lab on A Chip</i> , 2012 , 12, 1963-6	7.2	23
127	Proteomic analysis reveals suppression of bark chitinases and proteinase inhibitors in citrus plants affected by the citrus sudden death disease. <i>Phytopathology</i> , 2008 , 98, 1084-92	3.8	23
126	A disposable laser print-cut-laminate polyester microchip for multiplexed PCR via infra-red-mediated thermal control. <i>Analytica Chimica Acta</i> , 2015 , 901, 59-67	6.6	22
125	Towards low-cost bioanalytical tools for sarcosine assays for cancer diagnostics. <i>Analytical Methods</i> , 2016 , 8, 7312-7318	3.2	22
124	Sacrificial adhesive bonding: a powerful method for fabrication of glass microchips. <i>Scientific Reports</i> , 2015 , 5, 13276	4.9	22
123	Fast separation of selective serotonin reuptake inhibitors antidepressants in plasma sample by nonaqueous capillary electrophoresis. <i>Journal of Chromatography A</i> , 2009 , 1216, 5779-82	4.5	22
122	Adaptive nanowires for switchable microchip devices. <i>Analytical Chemistry</i> , 2007 , 79, 4720-3	7.8	22

121	Identification of a metallothionein in <i>Synechococcus</i> by capillary electrophoresis hyphenated with inductively coupled plasma mass spectrometry. <i>Analytical Sciences</i> , 2003 , 19, 1611-6	1.7	22
120	Semiquantitative determination of <i>Alicyclobacillus acidoterrestris</i> in orange juice by reverse-transcriptase polymerase chain reaction and capillary electrophoresis-laser induced fluorescence using microchip technology. <i>Electrophoresis</i> , 2004 , 25, 3860-4	3.6	22
119	Characterization of a putative <i>Xylella fastidiosa</i> diffusible signal factor by HRGC-EI-MS. <i>Journal of Mass Spectrometry</i> , 2007 , 42, 1375-81	2.2	21
118	Teratogens: a public health issue - a Brazilian overview. <i>Genetics and Molecular Biology</i> , 2017 , 40, 387-397	2	20
117	Microfluidic devices with integrated dual-capacitively coupled contactless conductivity detection to monitor binding events in real time. <i>Sensors and Actuators B: Chemical</i> , 2014 , 192, 239-246	8.5	19
116	Microfab-less Microfluidic Capillary Electrophoresis Devices. <i>Analytical Methods</i> , 2013 , 5, 1652-1657	3.2	19
115	CE-MS and related techniques as a valuable tool in tumor biomarkers research. <i>Electrophoresis</i> , 2010 , 31, 1214-26	3.6	19
114	Patterning and Modeling Three-Dimensional Microfluidic Devices Fabricated on a Single Sheet of Paper. <i>Analytical Chemistry</i> , 2019 , 91, 8298-8303	7.8	18
113	Sequence-specific electrochemical detection of <i>Alicyclobacillus acidoterrestris</i> DNA using electroconductive polymer-modified fluorine tin oxide electrodes. <i>Analyt. The</i> , 2009 , 134, 314-9	5	18
112	Solid-phase extraction of nitro-PAH from aquatic samples and its separation by reverse-phase capillary liquid chromatography. <i>Journal of the Brazilian Chemical Society</i> , 2007 , 18, 1004-1010	1.5	18
111	Recombinant drugs-on-a-chip: The usage of capillary electrophoresis and trends in miniaturized systems - A review. <i>Analytica Chimica Acta</i> , 2016 , 935, 44-57	6.6	17
110	Interfacing flow injection with capillary electrophoresis and inductively coupled plasma mass spectrometry for Cr speciation in water samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2002 , 17, 736-738	3.7	17
109	Doping of a dielectric layer as a new alternative for increasing sensitivity of the contactless conductivity detection in microchips. <i>Lab on A Chip</i> , 2011 , 11, 4148-51	7.2	16
108	Metabolite and proteome changes during the ripening of Syrah and Cabernet Sauvignon grape varieties cultured in a nontraditional wine region in Brazil. <i>Journal of Proteomics</i> , 2015 , 113, 206-25	3.9	15
107	Determination of glyphosate and AMPA on polyester-toner electrophoresis microchip with contactless conductivity detection. <i>Electrophoresis</i> , 2013 , 34, 2107-11	3.6	15
106	Characterization of microchip electrophoresis devices fabricated by direct-printing process with colored toner. <i>Electrophoresis</i> , 2013 , 34, 2169-76	3.6	15
105	Characterization of metal-deferoxamine complexes by continuous variation method: A new approach using capillary zone electrophoresis. <i>Microchemical Journal</i> , 2006 , 82, 214-219	4.8	15
104	Highly sensitive contactless conductivity microchips based on concentric electrodes for flow analysis. <i>Chemical Communications</i> , 2013 , 49, 11382-4	5.8	14

103	Direct determination of plant-growth related metabolites by capillary electrophoresis with spectrophotometric UV detection. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 183-187	1.5	14
102	Metalless electrodes for capacitively coupled contactless conductivity detection on electrophoresis microchips. <i>Electrophoresis</i> , 2015 , 36, 1935-40	3.6	13
101	Proteomics analysis reveals the role of ubiquitin specific protease (USP47) in Epithelial to Mesenchymal Transition (EMT) induced by TGF β in breast cells. <i>Journal of Proteomics</i> , 2020 , 219, 103734	3.9	13
100	Microemulsification: an approach for analytical determinations. <i>Analytical Chemistry</i> , 2014 , 86, 9082-90	7.8	13
99	Endothelial Cell Culture Under Perfusion On A Polyester-Toner Microfluidic Device. <i>Scientific Reports</i> , 2017 , 7, 10466	4.9	13
98	In vitro monitoring of GTPase activity and enzyme kinetics studies using capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 383, 92-7	4.4	13
97	Biosensing strategies for the electrochemical detection of viruses and viral diseases - A review. <i>Analytica Chimica Acta</i> , 2021 , 1159, 338384	6.6	13
96	A simple and reliable new microchip electrophoresis method for fast measurements of imidazole dipeptides in meat from different animal species. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4359-4369	4.4	12
95	Computational, electrochemical, and spectroscopic, studies of acetylcholinesterase covalently attached to carbon nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 103, 624-9	6	12
94	Sample stacking in CZE using dynamic thermal junctions I. Analytes with low dpKa/dT crossing a single thermally induced pH junction in a BGE with high dpH/dT. <i>Electrophoresis</i> , 2009 , 30, 1501-9	3.6	12
93	alpha-Hydroxynitrile lyase protein from <i>Xylella fastidiosa</i> : Cloning, expression, and characterization. <i>Microbial Pathogenesis</i> , 2009 , 47, 118-27	3.8	12
92	Capillary electrophoresis-mass spectrometry of citrus endophytic bacteria siderophores. <i>Electrophoresis</i> , 2006 , 27, 2567-74	3.6	12
91	Improved assessment of accuracy and performance indicators in paper-based ELISA. <i>Analytical Methods</i> , 2017 , 9, 2644-2653	3.2	11
90	Tandem mass spectrometry of coprogen and deferroxamine hydroxamic siderophores. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 193-9	2.2	11
89	Monitoring cellulose oxidation for protein immobilization in paper-based low-cost biosensors. <i>Mikrochimica Acta</i> , 2020 , 187, 272	5.8	11
88	Converging Multidimensional Sensor and Machine Learning Toward High-Throughput and Biorecognition Element-Free Multidetermination of Extracellular Vesicle Biomarkers. <i>ACS Sensors</i> , 2020 , 5, 1864-1871	9.2	10
87	Microssistemas de análises químicas: introduç, tecnologias de fabricaç, instrumentaç e aplicaçs. <i>Quimica Nova</i> , 2007 , 30, 1986-2000	1.6	10
86	Simplex optimization of electrokinetic injection of DNA in capillary electrophoresis using dilute polymer solution. <i>Electrophoresis</i> , 2003 , 24, 648-54	3.6	10

85	Nonaqueous capillary electrophoresis in coated capillaries: an interesting alternative for proteomic applications. <i>Electrophoresis</i> , 2005 , 26, 3292-9	3.6	10
84	Eletroforese capilar acoplada à espectrometria de massas (CE-MS): vinte anos de desenvolvimento. <i>Quimica Nova</i> , 2008 , 31, 2124-2133	1.6	10
83	Stretchable Sensors for Nanomolar Glucose Detection. <i>Advanced Materials Technologies</i> , 2020 , 5, 19008438	4.8	9
82	Sample stacking in CZE using dynamic thermal junctions II: analytes with high dpKa/dT crossing a single thermal junction in a BGE with low dpH/dT. <i>Electrophoresis</i> , 2009 , 30, 1510-5	3.6	9
81	Radiation-induced effects on alternative fuels. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1992 , 158, 283-292	1.5	9
80	Quantitative structure-retention relationships of flavonoids unraveled by immobilized artificial membrane chromatography. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 88, 147-57	5.1	8
79	Single nucleotide polymorphisms in candidate genes associated with gastrointestinal nematode infection in goats. <i>Genetics and Molecular Research</i> , 2014 , 13, 8530-6	1.2	8
78	Optimization and validation of an SBSE-HPLC-FD method using laboratory-made stir bars for fluoxetine determination in human plasma. <i>Biomedical Chromatography</i> , 2019 , 33, e4398	1.7	8
77	Detection of a SARS-CoV-2 sequence with genosensors using data analysis based on information visualization and machine learning techniques. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5658-5670	7.8	8
76	Electrochemical immunosensors using electrodeposited gold nanostructures for detecting the S proteins from SARS-CoV and SARS-CoV-2.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	8
75	Nuclear magnetic resonance characterization of metabolite disorder in orange trees caused by citrus sudden death disease. <i>Molecular Plant Pathology</i> , 2009 , 10, 51-7	5.7	7
74	Sugarcane Phosphoribosyl Pyrophosphate Synthetase: Molecular Characterization of a Phosphate-independent PRS. <i>Plant Molecular Biology Reporter</i> , 2008 , 26, 301-315	1.7	7
73	Sistemas interfaceados de análise por injeção em fluxo e eletroforese capilar (FIA - CE): desafios, aplicações e perspectivas. <i>Quimica Nova</i> , 2002 , 25, 412-419	1.6	7
72	Capillary electrophoresis coupled to contactless conductivity detection for analysis of amino acids of agricultural interest in composting. <i>Electrophoresis</i> , 2016 , 37, 2449-2457	3.6	6
71	Characterization of protein hydrolysates of cosmetic use by CE-MS. <i>Journal of Separation Science</i> , 2011 , 34, 947-56	3.4	6
70	Seqüenciamento de peptídeos usando espectrometria de massas: um guia prático. <i>Quimica Nova</i> , 2008 , 31, 669-675	1.6	6
69	Terminologia para as técnicas analíticas de eletromigração em capilares. <i>Quimica Nova</i> , 2007 , 30, 740-744	1.6	6
68	Auxiliary electrode oxidation for naked-eye electrochemical determinations in microfluidics: Towards on-the-spot applications. <i>Electrochimica Acta</i> , 2018 , 292, 125-135	6.7	6

67	A colorimetric microfluidic paper-based analytical device for sulfonamides in cow milk using enzymatic inhibition. <i>Food Chemistry</i> , 2021 , 356, 129692	8.5	6
66	Loop-mediated isothermal amplification in disposable polyester-toner microdevices. <i>Analytical Biochemistry</i> , 2017 , 534, 70-77	3.1	5
65	Analytical Assessment of a Home Made Capillary Electrophoresis Equipment with Linear Charge Coupled Device for Visible Light Absorption Detection in the Determination of Food Dyes. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009 , 32, 1862-1878	1.3	5
64	Cloning, expression, purification and characterization of recombinant glutathione-S-transferase from <i>Xylella fastidiosa</i> . <i>Protein Expression and Purification</i> , 2008 , 59, 153-60	2	5
63	Applications of capillary electrophoresis with laser-induced fluorescence for analysis of dGMP-BPDE adduct. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 376, 138-41	4.4	5
62	Supercritical fluid extraction of polynuclear aromatic hydrocarbons from coal with off-line CGC-MS analysis. <i>Journal of High Resolution Chromatography</i> , 1991 , 14, 633-635		5
61	Metabolic profiling of human endothelial cells during autophagy assessed in a biomimetic microfluidic device model. <i>Life Sciences</i> , 2017 , 172, 42-47	6.8	4
60	<i>Xylella fastidiosa</i> esterase rather than hydroxynitrile lyase. <i>ChemBioChem</i> , 2015 , 16, 625-30	3.8	4
59	Homemade Capillary Electrophoresis Coupled to a Mass Spectrometer. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 36-43	1.3	4
58	Determination of topiramate by capillary electrophoresis with capacitively-coupled contactless conductivity detection: A powerful tool for therapeutic monitoring in epileptic patients. <i>Electrophoresis</i> , 2018 , 39, 2598-2604	3.6	4
57	Capacitively Coupled Contactless Conductivity Detection (C4D) Applied to Capillary Electrophoresis (CE) and Microchip Electrophoresis (MCE) 2013 , 145-160		4
56	Integration of Nanomaterials in Capillary and Microchip Electrophoresis as a Flexible Tool 2013 , 327-357		4
55	Analysis of seven STR human loci for paternity testing by microchip electrophoresis. <i>Brazilian Archives of Biology and Technology</i> , 2013 , 56, 213-221	1.8	4
54	An Alternative Sample Introduction Device for a Home-Made Capillary Electrophoresis System. <i>Analytical Letters</i> , 2004 , 37, 2501-2513	2.2	4
53	Influence of the electrokinetic injection conditions on the separation of DNA fragments in capillary electrophoresis. <i>Journal of the Brazilian Chemical Society</i> , 2004 , 15, 413-420	1.5	4
52	Heterologous expression of Homo sapiens alpha-folate receptors in E. coli by fusion with a trigger factor for enhanced solubilization. <i>Protein Expression and Purification</i> , 2018 , 142, 75-80	2	3
51	Rapid Analysis of Charge Heterogeneity of Monoclonal Antibodies by Capillary Zone Electrophoresis and Imaged Capillary Isoelectric Focusing 2013 , 293-308		3
50	Glass/SU-8 microchip for electrokinetic applications. <i>Electrophoresis</i> , 2013 , 34, n/a-n/a	3.6	3

49	Evaluation of capillaries with different inner coatings for DNA analysis using dilute polymer solutions by capillary electrophoresis. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 1833-1840	1.5	3
48	<i>Xylella fastidiosa</i> gene expression analysis by DNA microarrays. <i>Genetics and Molecular Biology</i> , 2009 , 32, 340-53	2	3
47	Specific amplification of iron receptor genes in <i>Xylella fastidiosa</i> strains from different hosts. <i>Genetics and Molecular Biology</i> , 2006 , 29, 137-141	2	3
46	Production of DNA microarray and expression analysis of genes from <i>Xylella fastidiosa</i> in different culture media. <i>Brazilian Archives of Biology and Technology</i> , 2009 , 52, 555-566	1.8	3
45	Mobile Health (mHealth) and Advances in Noninvasive Diagnosis of Anemia: An Overview. <i>International Journal of Nutrology</i> , 2020 , 13, 042-047	0.2	3
44	Comparative Proteomics Reveals Characteristic Proteins on Praziquantel-resistance in <i>Schistosoma mansoni</i>		3
43	Metabolic profiling of organic acids in urine samples of Cri Du Chat syndrome individuals by gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1153, 122267	3.2	3
42	Noninvasive Self-monitoring of Blood Glucose at Your Fingertips, Literally!: Smartphone-Based Photoplethysmography. <i>International Journal of Nutrology</i> , 2020 , 13, 048-052	0.2	3
41	Microchip Capillary Electrophoresis for In Situ Planetary Exploration		3
40	Proteomic, metabolic and immunological changes in <i>Biomphalaria glabrata</i> infected with <i>Schistosoma mansoni</i> . <i>International Journal for Parasitology</i> , 2019 , 49, 1049-1060	4.3	2
39	Glycomic Profiling Through Capillary Electrophoresis and Microchip Capillary Electrophoresis		2
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37	Factors to be considered for robust high-throughput automated DNA sequencing using a multiple-capillary array instrument		2
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