

Sam Fong-Yau Li

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317 papers	9,621 citations	49 h-index	78 g-index
322 ext. papers	10,457 ext. citations	5.3 avg, IF	6.36 L-index

#	Paper	IF	Citations
317	Molecular-scale interface engineering for polymer light-emitting diodes. <i>Nature</i> , 2000 , 404, 481-4	50.4	704
316	Nonaqueous redox-flow batteries: organic solvents, supporting electrolytes, and redox pairs. <i>Energy and Environmental Science</i> , 2015 , 8, 3515-3530	35.4	272
315	Green synthesis of gold nanoparticles using palm oil mill effluent (POME): a low-cost and eco-friendly viable approach. <i>Bioresource Technology</i> , 2012 , 113, 132-5	11	179
314	Spontaneous formation of complex and ordered structures on oxygen-plasma-treated elastomeric polydimethylsiloxane. <i>Applied Physics Letters</i> , 2000 , 76, 721-723	3.4	175
313	Direct electrochemistry of horseradish peroxidase at carbon nanotube powder microelectrode. <i>Sensors and Actuators B: Chemical</i> , 2002 , 87, 168-172	8.5	150
312	Fabrication of Designed Architectures of Au Nanoparticles on Solid Substrate with Printed Self-Assembled Monolayers as Templates. <i>Langmuir</i> , 2000 , 16, 3846-3851	4	144
311	Microgravimetric DNA sensor based on quartz crystal microbalance: comparison of oligonucleotide immobilization methods and the application in genetic diagnosis. <i>Biosensors and Bioelectronics</i> , 2001 , 16, 85-95	11.8	142
310	Standard Reference Data for the Thermal Conductivity of Liquids. <i>Journal of Physical and Chemical Reference Data</i> , 1986 , 15, 1073-1086	4.3	136
309	Potential of plant as a biological factory to synthesize gold and silver nanoparticles and their applications. <i>Reviews in Environmental Science and Biotechnology</i> , 2012 , 11, 169-206	13.9	135
308	Efficient removal of Rhodamine B using a rice hull-based silica supported iron catalyst by Fenton-like process. <i>Chemical Engineering Journal</i> , 2013 , 229, 351-363	14.7	120
307	1,3-dialkylimidazolium-based room-temperature ionic liquids as background electrolyte and coating material in aqueous capillary electrophoresis. <i>Journal of Chromatography A</i> , 2003 , 985, 447-54	4.5	108
306	Carbon nanotube supported MnO ₂ catalysts for oxygen reduction reaction and their applications in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4728-32	11.8	104
305	Proteomic analysis of human tears: defensin expression after ocular surface surgery. <i>Journal of Proteome Research</i> , 2004 , 3, 410-6	5.6	101
304	High-speed chiral separations on microchip electrophoresis devices. <i>Electrophoresis</i> , 2000 , 21, 211-9	3.6	96
303	An ionic liquid coating for determination of sildenafil and UK-103,320 in human serum by capillary zone electrophoresis-ion trap mass spectrometry. <i>Electrophoresis</i> , 2002 , 23, 4110-6	3.6	94
302	Detection of two orchid viruses using quartz crystal microbalance (QCM) immunosensors. <i>Journal of Virological Methods</i> , 2002 , 99, 71-9	2.6	89
301	Amplified microgravimetric gene sensor using Au nanoparticle modified oligonucleotides. <i>Chemical Communications</i> , 2000 , 953-954	5.8	89

300	Response surface modeling of Carbamazepine (CBZ) removal by Graphene-P25 nanocomposites/UVA process using central composite design. <i>Water Research</i> , 2014 , 57, 270-9	12.5	80
299	A Review on the Phytochemistry, Pharmacology, and Pharmacokinetics of Amentoflavone, a Naturally-Occurring Biflavonoid. <i>Molecules</i> , 2017 , 22,	4.8	78
298	Characterization of oils and fats by ¹ H NMR and GC/MS fingerprinting: classification, prediction and detection of adulteration. <i>Food Chemistry</i> , 2013 , 138, 1461-9	8.5	78
297	Electrophoresis of DNA in ionic liquid coated capillary. <i>Analyst, The</i> , 2003 , 128, 37-41	5	77
296	Manganese-polypyrrole-carbon nanotube, a new oxygen reduction catalyst for air-cathode microbial fuel cells. <i>Journal of Power Sources</i> , 2013 , 221, 381-386	8.9	73
295	Self-assembled monolayer-based piezoelectric crystal immunosensor for the quantification of total human immunoglobulin E. <i>Analytical Biochemistry</i> , 1999 , 273, 66-72	3.1	69
294	Structural stability of aluminum stabilized alpha nickel hydroxide as a positive electrode material for alkaline secondary batteries. <i>Journal of Power Sources</i> , 2000 , 89, 40-45	8.9	65
293	Speciation of selenium and arsenic compounds in natural waters by capillary zone electrophoresis after on-column preconcentration with field-amplified injection. <i>Analyst, The</i> , 1995 , 120, 361	5	64
292	Quantitative analysis of N-linked glycoproteins in tear fluid of climatic droplet keratopathy by glycopeptide capture and iTRAQ. <i>Journal of Proteome Research</i> , 2009 , 8, 1992-2003	5.6	62
291	Determination of vitamin C and preservatives in beverages by conventional capillary electrophoresis and microchip electrophoresis with capacitively coupled contactless conductivity detection. <i>Electrophoresis</i> , 2005 , 26, 4648-55	3.6	62
290	A halogen bond-mediated highly active artificial chloride channel with high anticancer activity. <i>Chemical Science</i> , 2018 , 9, 4044-4051	9.4	61
289	Carbon nanotube-enhanced separation of DNA fragments by a portable capillary electrophoresis system with contactless conductivity detection. <i>Electrophoresis</i> , 2006 , 27, 4025-8	3.6	59
288	Synthesis and Cathodic Properties of LiCo[_{1-x}]Rh[_y]O[₂] (0 ≤ x ≤ 0.2) and LiRhO[₂]. <i>Journal of the Electrochemical Society</i> , 2001 , 148, A1279	3.9	59
287	An efficient "off-on" carbon nanoparticle-based fluorescent sensor for recognition of chromium(vi) and ascorbic acid based on the inner filter effect. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2979-2988	7.3	58
286	Elevation of human alpha-defensins and S100 calcium-binding proteins A8 and A9 in tear fluid of patients with pterygium 2009 , 50, 2077-86		57
285	Clinical analysis by microchip capillary electrophoresis. <i>Clinical Chemistry</i> , 2006 , 52, 37-45	5.5	57
284	Metabolomics approach for investigation of effects of dengue virus infection using the EA.hy926 cell line. <i>Journal of Proteome Research</i> , 2010 , 9, 6523-34	5.6	56
283	New Series of Blue-Light-Emitting Polymers Constituted of 3-Alkylthiophenes and 1,4-Di(1,3,4-oxadiazolyl)phenylene. <i>Chemistry of Materials</i> , 1998 , 10, 3340-3345	9.6	56

282	Magnetic micro-solid-phase-extraction of polycyclic aromatic hydrocarbons in water. <i>Journal of Chromatography A</i> , 2016 , 1440, 23-30	4.5	55
281	A high-performance glucose biosensor based on monomolecular layer of glucose oxidase covalently immobilised on indium-tin oxide surface. <i>Biosensors and Bioelectronics</i> , 2003 , 19, 43-9	11.8	55
280	Design and Application of Piezoelectric Quartz Crystal-based Immunoassay.. <i>Analytical Sciences</i> , 2000 , 16, 107-114	1.7	55
279	Piezoelectric quartz crystal based label-free analysis for allergy disease. <i>Biosensors and Bioelectronics</i> , 2000 , 15, 629-39	11.8	55
278	Determination of five toxic alkaloids in two common herbal medicines with capillary electrophoresis. <i>Journal of Chromatography A</i> , 2002 , 973, 243-7	4.5	54
277	Analysis of Chinese medicine preparations by capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2003 , 1014, 83-91	4.5	54
276	Synthesis and characterization of the hollandite-type MnO ₂ as a cathode material in lithium batteries. <i>Electrochimica Acta</i> , 2000 , 45, 2211-2217	6.7	54
275	Determination of senkirkine and senecionine in Tussilago farfara using microwave-assisted extraction and pressurized hot water extraction with liquid chromatography tandem mass spectrometry. <i>Talanta</i> , 2009 , 79, 539-46	6.2	53
274	Selection of aptamers for signal transduction proteins by capillary electrophoresis. <i>Electrophoresis</i> , 2010 , 31, 2055-62	3.6	53
273	Ionic liquids as additives for separation of benzoic acid and chlorophenoxy acid herbicides by capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2005 , 547, 165-171	6.6	53
272	A Review on the Phytochemistry, Pharmacology, Pharmacokinetics and Toxicology of Geniposide, a Natural Product. <i>Molecules</i> , 2017 , 22,	4.8	51
271	Low-Temperature Synthesized LiV ₃ O ₈ as a Cathode Material for Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 3057-3062	3.9	51
270	Proteomic analysis of rabbit tear fluid: Defensin levels after an experimental corneal wound are correlated to wound closure. <i>Proteomics</i> , 2007 , 7, 3194-206	4.8	50
269	Quartz Crystal Microbalance Sensor Deposited with Langmuir-Blodgett Films of Functionalized Polythiophenes and Application to Heavy Metal Ions Analysis. <i>Langmuir</i> , 1998 , 14, 1748-1752	4	50
268	Encapsulation of conventional and unconventional water dimers by water-binding foldamers. <i>Organic Letters</i> , 2011 , 13, 3194-7	6.2	49
267	Separation of ionic liquid cations and related imidazole derivatives by alpha-cyclodextrin modified capillary zone electrophoresis. <i>Analyst</i> , 2002 , 127, 490-3	5	48
266	Practical integration of polymerase chain reaction amplification and electrophoretic analysis in microfluidic devices for genetic analysis. <i>Electrophoresis</i> , 2003 , 24, 172-8	3.6	47
265	Demonstration of High-Resolution Capability of Chemical Force Titration via Study of Acid/Base Properties of a Patterned Self-Assembled Monolayer. <i>Langmuir</i> , 2000 , 16, 517-521	4	47

264	Enantioselective sensor based on microgravimetric quartz crystal microbalance with molecularly imprinted polymer film. <i>Analyst, The</i> , 2001 , 126, 184-8	5	46
263	An aptamer based surface plasmon resonance biosensor for the detection of bovine catalase in milk. <i>Biosensors and Bioelectronics</i> , 2013 , 48, 126-31	11.8	45
262	Chiral crystallization of aromatic helical foldamers via complementarities in shape and end functionalities. <i>Chemical Science</i> , 2012 , 3, 2042	9.4	45
261	Development of variable pathlength UV-vis spectroscopy combined with partial-least-squares regression for wastewater chemical oxygen demand (COD) monitoring. <i>Talanta</i> , 2014 , 120, 325-30	6.2	44
260	Cathode Reactions and Applications in Microbial Fuel Cells: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012 , 42, 2504-2525	11.1	44
259	Metabonomics investigation of human urine after ingestion of green tea with gas chromatography/mass spectrometry, liquid chromatography/mass spectrometry and (1)H NMR spectroscopy. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 2436-46	2.2	44
258	Dengue virus detection using impedance measured across nanoporous alumina membrane. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 391-6	11.8	43
257	Nonaqueous redox-flow batteries: features, challenges, and prospects. <i>Current Opinion in Chemical Engineering</i> , 2015 , 8, 105-113	5.4	43
256	In-syringe dispersive solid-phase extraction using dissolvable layered double oxide hollow spheres as sorbent followed by high-performance liquid chromatography for determination of 11 phenols in river water. <i>Journal of Chromatography A</i> , 2014 , 1373, 31-9	4.5	43
255	Rapid detection of melamine based on immunoassay using portable surface plasmon resonance biosensor. <i>Sensors and Actuators B: Chemical</i> , 2013 , 178, 541-546	8.5	43
254	Determination of pyrrolizidine alkaloids in comfrey by liquid chromatography-electrospray ionization mass spectrometry. <i>Talanta</i> , 2009 , 80, 916-23	6.2	43
253	Solvation Forces Using Sample-Modulation Atomic Force Microscopy. <i>Langmuir</i> , 2002 , 18, 6116-6124	4	43
252	Immobilization of dye pollutants on iron hydroxide coated substrates: kinetics, efficiency and the adsorption mechanism. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13280-13288	13	42
251	NMR-based metabolomics and LC-MS/MS quantification reveal metal-specific tolerance and redox homeostasis in <i>Chlorella vulgaris</i> . <i>Molecular BioSystems</i> , 2014 , 10, 149-60		42
250	Determination of tobramycin in human serum by capillary electrophoresis with contactless conductivity detection. <i>Electrophoresis</i> , 2006 , 27, 1932-8	3.6	42
249	Separation of Tamoxifen and Metabolites by Capillary Electro-Phoresis with Non-aqueous Buffer System. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1994 , 17, 3847-3857		42
248	Systematic optimisation of coupled microwave-assisted extraction-solid phase extraction for the determination of pesticides in infant milk formula via LC-MS/MS. <i>Food Chemistry</i> , 2012 , 134, 2473-80	8.5	41
247	Rapid detection of an anthrax biomarker based on the recovered fluorescence of carbon dot@Cu(II) systems. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6962-6972	7.1	40

246	Simultaneous determination of low-molecular-weight organic acids and chlorinated acid herbicides in environmental water by a portable CE system with contactless conductivity detection. <i>Electrophoresis</i> , 2007 , 28, 1530-9	3.6	40
245	Enantiomeric separation of amino acids derivatized with fluoresceine isothiocyanate isomer I by micellar electrokinetic chromatography using beta- and gamma-cyclodextrins as chiral selectors. <i>Electrophoresis</i> , 1999 , 20, 1538-45	3.6	40
244	Systematic optimization of micellar electrokinetic chromatographic separation of flavonoids. <i>Chromatographia</i> , 1992 , 34, 166-172	2.1	40
243	Resolution optimization in micellar electrokinetic chromatography: Use of overlapping resolution mapping scheme in the analysis of dinitrophenyl derivatized amino acids. <i>Chromatographia</i> , 1993 , 35, 560-566	2.1	40
242	Optimization of high-performance capillary electrophoresis of plant growth regulators using the overlapping resolution mapping scheme. <i>Analytical Chemistry</i> , 1991 , 63, 2222-2225	7.8	40
241	Combination of orthogonal array design and overlapping resolution mapping for optimizing the separation of heterocyclic amines by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1995 , 709, 351-359	4.5	39
240	Metallomics and NMR-based metabolomics of <i>Chlorella</i> sp. reveal the synergistic role of copper and cadmium in multi-metal toxicity and oxidative stress. <i>Metallomics</i> , 2015 , 7, 426-38	4.5	38
239	Graphene oxide-based dispersive solid-phase extraction combined with in situ derivatization and gas chromatography-mass spectrometry for the determination of acidic pharmaceuticals in water. <i>Journal of Chromatography A</i> , 2015 , 1426, 69-76	4.5	38
238	Anomalous optical properties and electron-phonon coupling enhancement in Fe ₂ O ₃ nanoparticles coated with a layer of stearates. <i>Journal of Physics and Chemistry of Solids</i> , 1997 , 58, 1315-1320	3.9	38
237	Immunoassay by capillary electrophoresis with quantum dots. <i>Journal of Chromatography A</i> , 2007 , 1156, 75-9	4.5	38
236	Au nanoparticle- and silver-enhancement reaction-amplified microgravimetric biosensor. <i>Chemical Communications</i> , 2001 , 755-756	5.8	38
235	Microchannel electrophoretic separation of biogenic amines by micellar electrokinetic chromatography. <i>Electrophoresis</i> , 1999 , 20, 118-26	3.6	38
234	Synergistic effect of the bifunctional polydopamine/Mn ₃ O ₄ composite electrocatalyst for vanadium redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15154-15166	13	37
233	Electron transfer kinetics across a dodecanethiol monolayer self assembled on gold. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 542, 7-11	4.1	37
232	Fabrication of Microelectrode Arrays Using Microcontact Printing. <i>Langmuir</i> , 2000 , 16, 9683-9686	4	37
231	Evaluation of graphene-based sorbent in the determination of polar environmental contaminants in water by micro-solid phase extraction-high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2016 , 1427, 29-36	4.5	36
230	Dynamic pH junction-sweeping capillary electrophoresis for online preconcentration of toxic pyrrolizidine alkaloids in Chinese herbal medicine. <i>Electrophoresis</i> , 2005 , 26, 4360-7	3.6	36
229	Protein Microarrays on ITO Surfaces by a Direct Covalent Attachment Scheme. <i>Langmuir</i> , 2002 , 18, 6324-6329	4.3	36

228	Simultaneous chiral separation of triadimefon and triadimenol by sulfated beta-cyclodextrin-mediated capillary electrophoresis. <i>Electrophoresis</i> , 2000 , 21, 1611-9	3.6	36
227	Binary diffusion coefficients of the methanol/water system in the temperature range 30-40 .degree.C. <i>Journal of Chemical & Engineering Data</i> , 1991 , 36, 240-243	2.8	36
226	The transport coefficients of polyatomic liquids. <i>International Journal of Thermophysics</i> , 1986 , 7, 273-284	2.1	36
225	The Thermal Conductivity of n-Hexane and n-Octane at Pressures up to 0.64 GPa in the Temperature Range 340-400°C. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1984 , 88, 32-36		36
224	Selection of bovine catalase aptamers using non-SELEX. <i>Electrophoresis</i> , 2012 , 33, 2783-9	3.6	35
223	The oxidation and reduction behavior of nitrite at carbon nanotube powder microelectrodes. <i>Microchemical Journal</i> , 2003 , 75, 189-198	4.8	35
222	Highly sensitive and selective detection of Pb ²⁺ ions using a novel and simple DNAzyme-based quartz crystal microbalance with dissipation biosensor. <i>Analyst, The</i> , 2014 , 139, 5170-5	5	34
221	Identification of edible Bird's nest with amino acid and monosaccharide analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 279-89	5.7	34
220	A green and effective approach for characterisation and quality control of chrysanthemum by pressurized hot water extraction in combination with HPLC with UV absorbance detection. <i>Food Chemistry</i> , 2013 , 141, 1807-13	8.5	33
219	Separation and determination of toxic pyrrolizidine alkaloids in traditional Chinese herbal medicines by micellar electrokinetic chromatography with organic modifier. <i>Electrophoresis</i> , 2005 , 26, 3397-404	3.6	33
218	Multiplex PMA-qPCR Assay with Internal Amplification Control for Simultaneous Detection of Viable Legionella pneumophila, Salmonella typhimurium, and Staphylococcus aureus in Environmental Waters. <i>Environmental Science & Technology</i> , 2015 , 49, 14249-56	10.3	32
217	Detection of two orchid viruses using quartz crystal microbalance-based DNA biosensors. <i>Phytopathology</i> , 2002 , 92, 654-8	3.8	32
216	In Situ STM Study of Chloride Adsorption on Cu(110) Electrode in Hydrochloric Acid Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 1829-1833	3.4	32
215	Soft-Lithography-Mediated Chemical Vapor Deposition of Architected Carbon Nanotube Networks on Elastomeric Polymer. <i>Langmuir</i> , 2002 , 18, 1-5	4	31
214	Determination of Alkyllead and Alkyltin Compounds in Solid Samples by Supercritical and Subcritical Fluid Extraction and MEKC. <i>Journal of Chromatographic Science</i> , 1995 , 33, 309-315	1.4	31
213	Uptake and toxic effects of triphenyl phosphate on freshwater microalgae Chlorella vulgaris and Scenedesmus obliquus: Insights from untargeted metabolomics. <i>Science of the Total Environment</i> , 2019 , 650, 1239-1249	10.2	31
212	Synthesis, structural investigation and computational modelling of water-binding aquafoldamers. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 1172-80	3.9	30
211	Serological determination of Helicobacter pylori infection using sandwiched and enzymatically amplified piezoelectric biosensor. <i>Analytica Chimica Acta</i> , 2001 , 429, 27-36	6.6	30

210	A fluorescence detection scheme for capillary electrophoresis of N-methylcarbamates with on-column thermal decomposition and derivatization. <i>Analytical Chemistry</i> , 2000 , 72, 1441-7	7.8	30
209	HS adsorption by municipal solid waste incineration (MSWI) fly ash with heavy metals immobilization. <i>Chemosphere</i> , 2018 , 195, 40-47	8.4	30
208	Chelerythrine perturbs lamellar actomyosin filaments by selective inhibition of myotonic dystrophy kinase-related Cdc42-binding kinase. <i>FEBS Letters</i> , 2011 , 585, 1260-8	3.8	29
207	Nonaqueous capillary zone electrophoresis for separation of free fatty acids with indirect fluorescence detection. <i>Electrophoresis</i> , 1998 , 19, 2187-92	3.6	29
206	Novel Method for Synthesis of Lithium Vanadium Oxide as Cathode Materials in Lithium Ion Batteries. <i>Chemistry of Materials</i> , 1999 , 11, 3086-3090	9.6	29
205	Separation and Determination of Stevia Sweeteners by Capillary Electrophoresis and High Performance Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995 , 18, 1703-1719		29
204	Mechanism of mercury detection based on interaction of single-strand DNA and hybridized DNA with gold nanoparticles. <i>Talanta</i> , 2010 , 82, 1642-6	6.2	28
203	Large-volume sample stacking with polarity switching for the analysis of bacteria by capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2007 , 1161, 308-13	4.5	28
202	On-line sample enrichment for the determination of proteins by capillary zone electrophoresis with poly(vinyl alcohol)-coated bubble cell capillaries. <i>Electrophoresis</i> , 2005 , 26, 3486-94	3.6	28
201	Determination of Anions in Water Samples by Capillary Zone Electrophoresis with indirect UV Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1994 , 17, 3889-3910		28
200	Application of porous membrane-protected chitosan microspheres to determine benzene, toluene, ethylbenzene, xylenes and styrene in water. <i>Journal of Chromatography A</i> , 2016 , 1448, 42-48	4.5	28
199	Electrocatalytic performance of silica nanoparticles on graphene oxide sheets for hydrogen peroxide sensing. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 690, 8-12	4.1	27
198	Metabolomics studies show dose-dependent toxicity induced by SiO ₂ nanoparticles in MRC-5 human fetal lung fibroblasts. <i>Advanced Healthcare Materials</i> , 2012 , 1, 779-84	10.1	27
197	Separation of polyphosphates and polycarboxylates by capillary electrophoresis in a carrier electrolyte containing adenosine 5'-triphosphate and cetyltrimethylammonium bromide with indirect UV detection. <i>Journal of Chromatography A</i> , 1996 , 723, 197-205	4.5	27
196	Determination of Diffusion Coefficients by Capillary Zone Electrophoresis. <i>Journal of Chromatographic Science</i> , 1994 , 32, 117-120	1.4	27
195	Tin-based oxide anode for lithium-ion batteries with low irreversible capacity. <i>Journal of Power Sources</i> , 1998 , 75, 9-12	8.9	26
194	Ion-pair solid-phase extraction of biogenic amines before micellar electrokinetic chromatography with laser-induced fluorescence detection of their fluorescein thiocarbamyl derivatives. <i>Electrophoresis</i> , 1999 , 20, 1862-8	3.6	26
193	Systematic Multivariate Optimization of Supercritical Fluid Extraction. <i>Journal of Chromatographic Science</i> , 1994 , 32, 53-56	1.4	26

192	Identification of cypermethrin induced protein changes in green algae by iTRAQ quantitative proteomics. <i>Journal of Proteomics</i> , 2016 , 139, 67-76	3.9	25
191	The extraction of cholesterol from solid and liquid matrices using supercritical CO ₂ . <i>Journal of Separation Science</i> , 1990 , 2, 69-73		25
190	Extraction, separation and characterization of endotoxins in water samples using solid phase extraction and capillary electrophoresis-laser induced fluorescence. <i>Scientific Reports</i> , 2017 , 7, 10774	4.9	24
189	Soft-Lithography-Mediated Submicrometer Patterning of Self-Assembled Monolayer of Hemoglobin on ITO Surfaces. <i>Langmuir</i> , 2000 , 16, 5221-5226	4	24
188	Piezoelectric quartz crystal based screening test for porcine reproductive and respiratory syndrome virus infection in pigs. <i>Analyst, The</i> , 2000 , 125, 725-730	5	24
187	Simultaneous determination of bromate, chlorite and haloacetic acids by two-dimensional matrix elimination ion chromatography with coupled conventional and capillary columns. <i>Journal of Chromatography A</i> , 2015 , 1383, 112-20	4.5	23
186	Metabolite profiling of edible bird's nest using gas chromatography/mass spectrometry and liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014 , 28, 1387-400	2.2	23
185	Folding-promoted TBACl-mediated chemo- and regioselective demethylations of methoxybenzene-based macrocyclic pentamers. <i>Organic Letters</i> , 2011 , 13, 6212-5	6.2	23
184	Piezoelectric quartz crystal based veterinary diagnosis for Salmonella enteritidis infection in chicken and egg. <i>Sensors and Actuators B: Chemical</i> , 2001 , 75, 29-35	8.5	23
183	Separation of calixarenes with a chemically bonded C60 silica stationary phase in microcolumn liquid chromatography. <i>Journal of High Resolution Chromatography</i> , 1996 , 19, 475-477		23
182	Enzymatic electrosynthesis of formate from CO ₂ reduction in a hybrid biofuel cell system. <i>Renewable Energy</i> , 2017 , 108, 581-588	8.1	22
181	Detection of Hg ²⁺ using molecular beacon-based fluorescent sensor with high sensitivity and tunable dynamic range. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 623-629	8.5	22
180	Trends in capillary electrophoresis: 1997. <i>Journal of Chromatographic Science</i> , 1997 , 35, 358-73	1.4	22
179	Selection and optimization of background electrolytes for simultaneous detection of small cations and organic acids by capillary electrophoresis with indirect photometry. <i>Journal of Chromatography A</i> , 1998 , 822, 125-136	4.5	22
178	Determination of the bacterial pathogen <i>Edwardsiella tarda</i> in fish species by capillary electrophoresis with blue light-emitting diode-induced fluorescence. <i>Electrophoresis</i> , 2004 , 25, 3139-44	3.6	22
177	Chlorodifluoromethane as the mobile phase in supercritical fluid chromatography of selected phenols. <i>Analytical Chemistry</i> , 1990 , 62, 1389-1391	7.8	22
176	Recent advances in fluorescence probes based on carbon dots for sensing and speciation of heavy metals. <i>Nanophotonics</i> , 2020 , 10, 877-908	6.3	22
175	Specific and sustainable bioelectro-reduction of carbon dioxide to formate on a novel enzymatic cathode. <i>Chemosphere</i> , 2016 , 162, 228-34	8.4	21

174	Patterned recognition of amines and ammonium ions by a pyridine-based helical oligoamide host. <i>Chemical Communications</i> , 2012 ,	5.8	21
173	Capillary electrophoresis with capacitively coupled contactless conductivity detection for low molecular weight organic acids in different samples. <i>Journal of Separation Science</i> , 2007 , 30, 3247-54	3.4	21
172	Sensitive determination of trace-metal elements in tea with capillary electrophoresis by using chelating agent 4-(2-pyridylazo) resorcinol (PAR). <i>Food Chemistry</i> , 2003 , 81, 607-611	8.5	21
171	Direct determination of gentamicin components by capillary electrophoresis with potential gradient detection. <i>Electrophoresis</i> , 2005 , 26, 196-201	3.6	21
170	Determination of Organolead and Organotin Compounds in Water Samples by Micellar Electrokinetic Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995 , 18, 1325-1347		21
169	Analysis of recombinant human tumor necrosis factor beta by capillary electrophoresis. <i>Electrophoresis</i> , 1995 , 16, 647-53	3.6	21
168	Determination of pharmaceuticals classified as emerging pollutants using capillary electrophoresis with capacitively coupled contactless conductivity detection. <i>Electrophoresis</i> , 2008 , 29, 3701-9	3.6	20
167	On-chip potential gradient detection with a portable capillary electrophoresis system. <i>Electrophoresis</i> , 2004 , 25, 909-13	3.6	20
166	Determination of chlorophenoxy acid herbicides by capillary electrophoresis with integrated potential gradient detection. <i>Electrophoresis</i> , 2003 , 24, 2174-9	3.6	20
165	Portable capillary electrophoresis system with potential gradient detection for separation of DNA fragments. <i>Electrophoresis</i> , 2005 , 26, 517-23	3.6	20
164	Sequential Observation of Electroless Copper Deposition via Noncontact Atomic Force Microscopy. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 3301-3307	3.9	20
163	Comparative study of the internal structures of Kevlar and spider silk by atomic force microscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1994 , 12, 1891-1894	2.9	20
162	The use of mixed surfactants in micellar electrokinetic chromatography. <i>Electrophoresis</i> , 1994 , 15, 1273-5	3.6	20
161	Infinite dilution diffusion coefficients of several alcohols in water. <i>Journal of Chemical & Engineering Data</i> , 1990 , 35, 136-137	2.8	20
160	Three-dimensional selection of leptin aptamers using capillary electrophoresis and implications for clone validation. <i>Analytical Biochemistry</i> , 2013 , 434, 146-52	3.1	19
159	Miniaturized detection technology in molecular diagnostics. <i>Expert Review of Molecular Diagnostics</i> , 2005 , 5, 549-59	3.8	19
158	Flexible carbon nanotube membrane sensory system: a generic platform. <i>Journal of Nanoscience and Nanotechnology</i> , 2001 , 1, 375-9	1.3	19
157	Separation of myoglobin molecular mass markers using non-gel sieving capillary electrophoresis. <i>Journal of Chromatography A</i> , 1996 , 744, 249-257	4.5	19

156	Subcritical Fluid Extraction of Stevia Sweeteners from <i>Stevia rebaudiana</i> . <i>Journal of Chromatographic Science</i> , 1997 , 35, 446-450	1.4	18
155	Rapid analysis of native neomycin components on a portable capillary electrophoresis system with potential gradient detection. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 385, 1575-9	4.4	18
154	The Formation of Two-Dimensional Supramolecular Chiral Lamellae by Diamide Molecules at the Solution/Graphite Interface: A Scanning Tunneling Microscopy Study. <i>Langmuir</i> , 2000 , 16, 7023-7030	4	18
153	Selective and sensitive sensors based on molecularly imprinted poly(vinylidene fluoride) for determination of pesticides and chemical threat agent simulants. <i>Sensors and Actuators B: Chemical</i> , 2018 , 258, 228-237	8.5	18
152	Multiplexing N-glycan analysis by DNA analyzer. <i>Electrophoresis</i> , 2017 , 38, 1788-1799	3.6	17
151	Determination of cyanobacterial cyclic peptide hepatotoxins in drinking water using CE. <i>Electrophoresis</i> , 2009 , 30, 2737-42	3.6	17
150	The fabrication and evaluation of a vapour sensor based on quartz crystal microbalance coated with poly(o-anisidine) langmuirBlodgett layers. <i>Synthetic Metals</i> , 1997 , 87, 201-204	3.6	17
149	Combination of cationic surfactant-assisted solid-phase extraction with field-amplified sample stacking for highly sensitive analysis of chlorinated acid herbicides by capillary zone electrophoresis. <i>Electrophoresis</i> , 2005 , 26, 3507-17	3.6	17
148	Indirect laser-induced fluorescence detection of valproic acid in human serum by capillary electrophoresis. <i>Electrophoresis</i> , 1999 , 20, 1856-61	3.6	17
147	Screening of carbohydrates in urine by capillary electrophoresis. <i>Electrophoresis</i> , 1999 , 20, 3450-4	3.6	17
146	Detection of organic solvent vapours and studies of thermodynamic parameters using quartz crystal microbalance sensors modified with siloxane polymers. <i>Analyst, The</i> , 1996 , 121, 1721	5	17
145	Intact NIST monoclonal antibody characterizationProteoforms, glycoformsUsing CE-MS and CE-LIF. <i>Cogent Chemistry</i> , 2018 , 4, 1480455	2.5	17
144	Metabolism of tri-n-butyl phosphate in earthworm <i>Perionyx excavatus</i> . <i>Environmental Pollution</i> , 2018 , 234, 389-395	9.3	16
143	Elucidation of mesopore-organic molecules interactions in mesoporous TiO ₂ photocatalysts to improve photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 64-74	21.8	16
142	A combination of metabolomics and metallomics studies of urine and serum from hypercholesterolaemic rats after berberine injection. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 847-56	4.4	16
141	Optimization of separation of heavy metals by capillary electrophoresis with contactless conductivity detection. <i>Electrophoresis</i> , 2011 , 32, 1190-4	3.6	16
140	Separation of synthetic inorganic polymers of condensed phosphates by capillary gel electrophoresis with indirect photometric detection. <i>Journal of Chromatography A</i> , 1998 , 802, 159-165	4.5	16
139	Capillary Electrophoretic Separation of Nitrosamines Using Combined Open-Tubular and Packed Capillary Columns. <i>Journal of Chromatographic Science</i> , 1994 , 32, 121-125	1.4	16

138	Elucidation of structures of surface sulfate species on sulfated titania and mechanism of improved activity. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 731-739	21.8	15
137	Scanning thermal microscope tip-induced chemical reaction on solid organometallic compound thin films. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1997 , 15, 1871		15
136	Rapid estimation of octanol-water partition coefficients of pesticides by micellar electrokinetic chromatography. <i>Electrophoresis</i> , 1998 , 19, 1719-27	3.6	15
135	Derivatization, extraction and concentration of amino acids and peptides by using organic/aqueous phases in capillary electrophoresis with fluorescence detection. <i>Electrophoresis</i> , 2000 , 21, 3593-9	3.6	15
134	Design of background electrolytes for indirect photometric detections based on a model of sample zone absorption in capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999 , 835, 169-185	4.5	15
133	Composition dependence of binary diffusion coefficients in alkane mixtures. <i>International Journal of Thermophysics</i> , 1990 , 11, 537-554	2.1	15
132	Rapid toxicity screening of gasification ashes. <i>Waste Management</i> , 2016 , 50, 93-104	8.6	15
131	Recent advances in 3D printing of nanocellulose: structure, preparation, and application prospects. <i>Nanoscale Advances</i> , 2021 , 3, 1167-1208	5.1	15
130	Determination of organic pollutants in municipal reverse osmosis concentrate by electrospray ionization-quadrupole time-of-flight tandem mass spectrometry and photocatalytic degradation methods. <i>Desalination</i> , 2014 , 344, 206-211	10.3	14
129	A microstructural study on the surface and interface of CdTe/CdS solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 1997 , 8, 125-132	2.1	14
128	Electrophoretic Behavior Study of Bacteria of <i>Pseudomonas aeruginosa</i> , <i>Edwardsiella tarda</i> and Enteropathogenic <i>Escherichia coli</i> by Capillary Electrophoresis with UV and Fluorescence Detection. <i>Chromatographia</i> , 2005 , 62, 401-407	2.1	14
127	The thermal conductivity of liquid mixtures at elevated pressures. <i>International Journal of Thermophysics</i> , 1989 , 10, 1041-1051	2.1	14
126	Micro-solid phase extraction followed by thermal extraction coupled with gas chromatography-mass selective detector for the determination of polybrominated diphenyl ethers in water. <i>Journal of Chromatography A</i> , 2016 , 1458, 25-34	4.5	14
125	Rapid, sensitive and highly specific label-free fluorescence biosensor for microRNA by branched rolling circle amplification. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 424-431	8.5	14
124	A two-step stimulus-response cell-SELEX method to generate a DNA aptamer to recognize inflamed human aortic endothelial cells as a potential in vivo molecular probe for atherosclerosis plaque detection. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 6853-61	4.4	13
123	Rapid screening for detection and differentiation of detergent powder adulteration in infant milk formula by LC-MS. <i>Forensic Science International</i> , 2013 , 232, 32-9	2.6	13
122	Molecular aptamer beacon for myotonic dystrophy kinase-related Cdc42-binding kinase alpha. <i>Talanta</i> , 2010 , 81, 732-6	6.2	13
121	Combination of ¹ H nuclear magnetic resonance spectroscopy and liquid chromatography/mass spectrometry with pattern recognition techniques for evaluation of metabolic profile associated with albuminuria. <i>Journal of Proteome Research</i> , 2009 , 8, 1828-37	5.6	13

120	Submicrometer lithography of a silicon substrate by machining of photoresist using atomic force microscopy followed by wet chemical etching. <i>Nanotechnology</i> , 1997 , 8, 76-81	3.4	13
119	Determination of Carbendazim Residues in Grains by Solid-Phase Extraction and Micellar Electrokinetic Chromatography with Ultraviolet Detection. <i>Journal of Chromatographic Science</i> , 1997 , 35, 513-518	1.4	13
118	Rapid identification of purified enteropathogenic Escherichia coli by microchip electrophoresis. <i>Journal of Separation Science</i> , 2007 , 30, 1446-52	3.4	13
117	Analysis of food additives by ion-pairing electrokinetic chromatography. <i>Journal of Chromatographic Science</i> , 1992 , 30, 167-70	1.4	13
116	Integrated metabolomics and metallomics analyses in acute coronary syndrome patients. <i>Metallomics</i> , 2017 , 9, 734-743	4.5	12
115	Parallel analysis and orthogonal identification of N-glycans with different capillary electrophoresis mechanisms. <i>Analytica Chimica Acta</i> , 2017 , 953, 79-86	6.6	12
114	Location of photocatalytic oxidation processes on anatase titanium dioxide. <i>Catalysis Science and Technology</i> , 2017 , 7, 441-451	5.5	12
113	Electro membrane extraction using sorbent filled porous membrane bag. <i>Journal of Chromatography A</i> , 2015 , 1423, 1-8	4.5	12
112	Nanotechnologic nutraceuticals: nurturing or nefarious?. <i>Clinical Chemistry</i> , 2006 , 52, 331-2	5.5	12
111	Disposable, low cost, silver-coated, piezoelectric quartz crystal biosensor and electrode protection. <i>Analyst, The</i> , 2000 , 125, 2268-73	5	12
110	Anchoring of Self-Assembled Hemoglobin Molecules on Bare Indium Tin Oxide Surfaces. <i>Langmuir</i> , 2001 , 17, 4360-4366	4	12
109	Separation of inorganic phosphorus-containing anions by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999 , 834, 233-241	4.5	12
108	Chiral resolution of atropine, homatropine and eight synthetic tropinyl and piperidinyl esters by capillary zone electrophoresis with cyclodextrin additives. <i>Electrophoresis</i> , 1999 , 20, 198-203	3.6	12
107	Direct coupling of supercritical fluid extraction-supercritical fluid chromatography for the determination of selected polycyclic aromatic hydrocarbons in aqueous environmental samples. <i>Environmental Monitoring and Assessment</i> , 1991 , 19, 63-71	3.1	12
106	Systematic optimization of capillary electrophoretic separations using the overlapping resolution mapping scheme. <i>Journal of Separation Science</i> , 1993 , 5, 191-197		12
105	A global metabolomic insight into the oxidative stress and membrane damage of copper oxide nanoparticles and microparticles on microalga Chlorella vulgaris. <i>Environmental Pollution</i> , 2020 , 258, 113647	9.3	12
104	Evaluation of sample extraction methods for proteomics analysis of green algae Chlorella vulgaris. <i>Electrophoresis</i> , 2016 , 37, 1270-6	3.6	12
103	Untargeted metabolomics reveals transformation pathways and metabolic response of the earthworm Perionyx excavatus after exposure to triphenyl phosphate. <i>Scientific Reports</i> , 2018 , 8, 16440	4.9	12

102	Detection of Endotoxins: From Inferring the Responses of Biological Hosts to the Direct Chemical Analysis of Lipopolysaccharides. <i>Critical Reviews in Analytical Chemistry</i> , 2019 , 49, 126-137	5.2	11
101	The role of ions and reaction sites for electrochemical reversible charge cycling in mesoporous nickel hydroxides. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15095	13	11
100	Scanning tunneling microscopy and spectroscopy of polyaniline: Evidence for chain-folded lamellae with anomalous deformability. <i>Physical Review B</i> , 1997 , 56, 15919-15925	3.3	11
99	Detection of underivatized carbohydrates in capillary electrophoresis with a bienzyme electrode. <i>Electrophoresis</i> , 1997 , 18, 2024-9	3.6	11
98	Separation of porphyrins by capillary electrophoresis in fused-silica and ethylene vinyl acetate copolymer capillaries with visible absorbance detection. <i>Biomedical Chromatography</i> , 1997 , 11, 366-70	1.7	11
97	Separation and determination of pesticides by capillary electrophoresis. II. Determination of N-methylcarbamates in drinking water by micellar electrokinetic chromatography with SPE and on-column enrichment. <i>Journal of Separation Science</i> , 1998 , 10, 529-535		11
96	Lubricant Effect on Noncontact-Mode Atomic Force Microscopy Images of Hard-Disk Surfaces. <i>Langmuir</i> , 1998 , 14, 1263-1271	4	11
95	In Situ Atomic Force Microscopy of the Electrochemical Dissolution of a Copper Grain. <i>Langmuir</i> , 1996 , 12, 2580-2586	4	11
94	Optimization of the isocratic high-performance liquid chromatographic separation of selected phthalates using the overlapping resolution mapping technique. <i>Journal of Chromatography A</i> , 1990 , 513, 360-366	4.5	11
93	Development of a hydrophilic molecularly imprinted polymer for the detection of hydrophilic targets using quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 2019 , 300, 127044	8.5	10
92	Selective removal of photocatalytic non-degradable fluorosurfactants from reverse osmosis concentrate. <i>Water Research</i> , 2015 , 68, 831-8	12.5	10
91	Photocatalytic degradation of terephthalic acid on sulfated titania particles and identification of fluorescent intermediates. <i>Journal of Hazardous Materials</i> , 2016 , 303, 64-75	12.8	10
90	Colorimetric anticancer drug detection by gold nanoparticle-based DNA interstrand cross-linking. <i>Analytical Methods</i> , 2013 , 5, 1116	3.2	10
89	Dual UV-absorbing background electrolytes for simultaneous separation and detection of small cations and anions by capillary zone electrophoresis. <i>Electrophoresis</i> , 1998 , 19, 2243-51	3.6	10
88	Determination of acidic herbicides in surface water by solid-phase extraction followed by capillary zone electrophoresis. <i>Journal of Chromatographic Science</i> , 2002 , 40, 387-91	1.4	10
87	Dynamics of Hydrides on Hydrogen-Terminated Silicon (111)(1 \times 1) Surface. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 5820-5825	3.4	10
86	Capillary Electrophoresis of Biologically Important Compounds: Optimization of Separation Conditions by the Overlapping Resolution Mapping Scheme. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1993 , 16, 3653-3666		10
85	Determination of ammonium and metal ions by capillary electrophoresis-potential gradient detection using ionic liquid as background electrolyte and covalent coating reagent 2004 , 1048, 253-253		10

84	Highly sensitive and quantitative human thrombospondin-1 detection by an M55 aptasensor and clinical validation in patients with atherosclerotic disease. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 405-11	11.8	9
83	Rugged gap reactor device for postcolumn fluorescence detection in capillary electrophoresis. <i>Analytical Chemistry</i> , 1998 , 70, 5097-102	7.8	9
82	Separation of selected PAHs by using high performance capillary electrophoresis with modifiers. <i>Environmental Monitoring and Assessment</i> , 1991 , 19, 73-81	3.1	9
81	Separation of nitroaromatics by micellar electrokinetic capillary chromatography. <i>Journal of High Resolution Chromatography</i> , 1992 , 15, 198-200		9
80	Detection of enteropathogenic Escherichia coli by microchip capillary electrophoresis. <i>Methods in Molecular Biology</i> , 2009 , 509, 169-79	1.4	9
79	Simultaneous Determination of Quercitrin, Afzelin, Amentoflavone, Hinokiflavone in Rat Plasma by UFLC-MS-MS and Its Application to the Pharmacokinetics of Platycladus orientalis Leaves Extract. <i>Journal of Chromatographic Science</i> , 2018 , 56, 895-902	1.4	9
78	Correlations in the elemental and metabolic profiles of the lichen Dirinaria picta after road traffic exposure. <i>Metallomics</i> , 2017 , 9, 1610-1621	4.5	8
77	Selection of cholesterol esterase aptamers using a dual-partitioning approach. <i>Electrophoresis</i> , 2015 , 36, 2616-21	3.6	8
76	Metabolic profile associated with glucose and cholesterol lowering effects of berberine in SpragueDawley rats. <i>Metabolomics</i> , 2012 , 8, 1052-1068	4.7	8
75	Coupling of solvent semimicroextraction with capillary electrophoresis using ethyl acetate as sample matrix. <i>Electrophoresis</i> , 2000 , 21, 573-8	3.6	8
74	Retention prediction of substituted phenols in reversed-phase HPLC. <i>Chromatographia</i> , 1988 , 25, 515-519	1.1	8
73	A label-free lead(II) ion sensor based on surface plasmon resonance and DNAzyme-gold nanoparticle conjugates. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 7525-7533	4.4	8
72	H NMR-based metabolomics for the discrimination of celery (Apium graveolens L. var. dulce) from different geographical origins. <i>Food Chemistry</i> , 2020 , 332, 127424	8.5	7
71	Determination of Trace Levels of Aluminum by Capillary Electrophoresis with Lumogallion Fluorometric Detection. <i>Journal of Chromatographic Science</i> , 1997 , 35, 333-336	1.4	7
70	Modified field amplification sample injection for micellar electrokinetic chromatography of neutral compounds with amino-substituted cyclodextrin as carrier and 1-adamantanecarboxylate as displacer. <i>Journal of Chromatography A</i> , 2003 , 1013, 19-27	4.5	7
69	Minimization of sample discrimination introduced by on-column fracture/electrokinetic injection in capillary electrophoresis. <i>Analytical Chemistry</i> , 1998 , 70, 2248-53	7.8	7
68	Determination of Sodium, Potassium, Magnesium, and Calcium in Seawater by Capillary Electrophoresis with Indirect Photometric Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1998 , 21, 2485-2496	1.3	7
67	Optimization of Mobile Phase Composition for HPLC Separations of Nitroaromatics Using Overlapping Resolution Mapping. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1993 , 16, 2223-2235		7

66	Fluorescence detection in capillary electrophoresis using a variable wavelength epi-fluorescence microscope. <i>Fresenius Journal of Analytical Chemistry</i> , 1994 , 349, 487-490		7
65	Optimization of supercritical fluid chromatographic separation of nitroaromatics by the overlapping resolution mapping scheme. <i>Journal of High Resolution Chromatography</i> , 1991 , 14, 249-253		7
64	Analysis of priority substituted phenols by micellar electrokinetic chromatography. <i>Environmental Monitoring and Assessment</i> , 1991 , 19, 93-103	3.1	7
63	Infinite dilution diffusion coefficients of poly(ethylene glycol) and poly(propylene glycol) in water in the temperature range 303-318 K. <i>Journal of Chemical & Engineering Data</i> , 1991 , 36, 329-331	2.8	7
62	Rapid determination of trace level N-nitrosamine precursors in secondary-treated wastewater by using two dimensional-ion chromatography. <i>Journal of Hazardous Materials</i> , 2019 , 368, 452-458	12.8	6
61	Chemical Fingerprint and Quantitative Analysis for the Quality Evaluation of Platycladi cacumen by Ultra-performance Liquid Chromatography Coupled with Hierarchical Cluster Analysis. <i>Journal of Chromatographic Science</i> , 2018 , 56, 41-48	1.4	6
60	Evaluation of the performance of zero-electrolyte-discharge microbial fuel cell based on the type of substrate. <i>RSC Advances</i> , 2017 , 7, 4070-4077	3.7	6
59	High throughput human plasma N-glycan analysis using DNA analyzer and multivariate analysis for biomarker discovery. <i>Analytica Chimica Acta</i> , 2017 , 995, 106-113	6.6	6
58	Novel sensor for simultaneous determination of K ⁺ and Na ⁺ using Prussian blue pencil graphite electrode. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 914-918	8.5	6
57	Separation of ribonucleotides by capillary electrophoresis with multifunctional electrophoretic media of phosphate ammonium salts. <i>Journal of Chromatography A</i> , 1997 , 779, 215-225	4.5	6
56	Transient ITP in Nonaqueous CE by Introducing Ions with a Long Hydrophobic Chain as Terminating Ions. <i>Chromatographia</i> , 2006 , 63, 513-517	2.1	6
55	Use of overlapping resolution mapping scheme for optimization of the high-performance liquid chromatographic separation of pharmaceuticals. <i>Journal of Chromatography A</i> , 1995 , 692, 207-212	4.5	6
54	Mutual diffusion coefficients for two n-octane isomers in n-heptane. <i>International Journal of Thermophysics</i> , 1989 , 10, 995-1003	2.1	6
53	Thermal conductivity of oct-1-ene in the temperature range 307 to 360 K at pressures up to 0.5 GPa. <i>International Journal of Thermophysics</i> , 1987 , 8, 407-414	2.1	6
52	Metabolomics reveals that tris(1,3-dichloro-2-propyl)phosphate (TDCPP) causes disruption of membrane lipids in microalga <i>Scenedesmus obliquus</i> . <i>Science of the Total Environment</i> , 2020 , 708, 134498	10.2	6
51	(1)H nuclear magnetic resonance-based metabolomics study of earthworm <i>Perionyx excavatus</i> in vermifiltration process. <i>Bioresource Technology</i> , 2016 , 218, 1115-22	11	5
50	Separation and Determination of Auxins by Capillary Electrophoresis. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1996 , 19, 1697-1713	1.3	5
49	Several Efficiency Influencing Factors In CdTe/CdS Solar Cells. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 485, 197		5

48	Capillary electrophoretic analysis of cyclodextrins with dynamic fluorescence labeling and detection. <i>Journal of Chromatography A</i> , 1998 , 800, 333-338	4.5	5
47	Floating resistivity detector for microchip electrophoresis. <i>Electrophoresis</i> , 2007 , 28, 4620-8	3.6	5
46	Detection of Proteins by On-Column, Non-Covalent Labeling with NanoOrange During Capillary Zone Electrophoresis. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006 , 29, 1447-1455	1.3	5
45	In Situ Electrochemical ATR-FTIR Spectroscopic Investigation of Hydrogen-Terminated Si(110) Surface in Dilute NH ₄ F Solution. <i>Journal of the Electrochemical Society</i> , 2001 , 148, E439	3.9	5
44	Optimization of the High-Performance Liquid Chromatographic Separation of Steroids by the Overlapping Resolution Mapping Procedure. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1991 , 14, 2445-2455		5
43	Toxicity assessment of copper by electrochemically active bacteria in wastewater. <i>Environmental Geochemistry and Health</i> , 2019 , 41, 81-91	4.7	5
42	Untargeted LC-QTOF-MS/MS based metabolomics approach for revealing bioactive components in probiotic fermented coffee brews. <i>Food Research International</i> , 2021 , 149, 110656	7	5
41	Whole-cell-based identification of electrochemically active bacteria in microbial fuel cells by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 2211-8	2.2	4
40	Investigation of the effect of exposure to non cytotoxic amounts of microcystins. <i>Metabolomics</i> , 2011 , 7, 485-499	4.7	4
39	Comparison of Supercritical Fluid Chromatographic and High-Performance Liquid Chromatographic Separations of p-tert-Butylcalix[n]arenes. <i>Journal of Chromatographic Science</i> , 1997 , 35, 232-236	1.4	4
38	Indirect capillary electrophoresis with 8-anilino-1-naphthalenesulfonic acid as a fluorescence probe for determining the apparent stability constant of an inclusion complex formed between a cyclodextrin and a solute. <i>Journal of Chromatography A</i> , 2003 , 987, 485-92	4.5	4
37	SINGLE UV-ABSORBING BACKGROUND ELECTROLYTE FOR SIMULTANEOUS DETECTION OF CATIONS AND ANIONS IN CAPILLARY ELECTROPHORESIS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1999 , 22, 2353-2365	1.3	4
36	Application of Iso-Selective Gradient Elution for the Separation of Selected Phthalates. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1991 , 14, 3153-3166		4
35	Analysis of nitroaromatics in aqueous samples by capillary supercritical fluid chromatography. <i>International Journal of Environmental Studies</i> , 1992 , 41, 17-25	1.8	4
34	Microchip capillary electrophoresis. <i>Methods in Molecular Biology</i> , 2009 , 509, 159-68	1.4	4
33	Analysis of lipopolysaccharides by coupling microscale solid-phase extraction with capillary electrophoresis-laser induced fluorescence. <i>Microchemical Journal</i> , 2021 , 161, 105771	4.8	4
32	Correlation of antioxidant activity and volatile oil chemical components from <i>Schizonepeta tenuifolia</i> herbs by chemometric methods. <i>International Journal of Food Properties</i> , 2017 , 20, S1082-S1092	3.2	3
31	Preparation, characterization and application of sorbent envelopes with <i>Carica papaya</i> seeds and <i>Citrus grandis</i> rind for cationic dyes removal. <i>Green Chemistry Letters and Reviews</i> , 2019 , 12, 343-352	4.7	3

30	Thermal-Induced Chemical Modification of Palladium Acetate on the Submicrometer Scale by in Situ Scanning Thermal Microscopy. <i>Langmuir</i> , 1999 , 15, 2425-2430	4	3
29	Analysis of polycyclic aromatic hydrocarbons and heavy metals in soil from a municipal refuse dump. <i>International Journal of Environmental Studies</i> , 1995 , 47, 143-150	1.8	3
28	Some applications of Freon-22 in supercritical fluid chromatographic analysis of environmental pollutants. <i>Environmental Monitoring and Assessment</i> , 1991 , 19, 47-53	3.1	3
27	Optimization of the gradient HPLC separation of selected phthalates using the overlapping resolution mapping technique. <i>Environmental Monitoring and Assessment</i> , 1991 , 19, 83-91	3.1	3
26	A Label-Free Fluorescent Sensor Based on the Formation of Poly(thymine)-Templated Copper Nanoparticles for the Sensitive and Selective Detection of MicroRNA from Cancer Cells. <i>Chemosensors</i> , 2020 , 8, 52	4	3
25	Metabolic Profiling of a Porcine Combat Trauma-Injury Model Using NMR and Multi-Mode LC-MS Metabolomics-A Preliminary Study. <i>Metabolites</i> , 2020 , 10,	5.6	3
24	Vapor grown carbon fiber combined with polyaniline and gold nanoparticles in composite bioelectrodes and their application in glucose fuel cells. <i>RSC Advances</i> , 2016 , 6, 53705-53712	3.7	2
23	Polyelectrolyte-single wall carbon nanotube composite as an effective cathode catalyst for air-cathode microbial fuel cells. <i>Water Science and Technology</i> , 2014 , 70, 1610-6	2.2	2
22	Liquid Chromatographic Separation of Calixarenes. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1997 , 20, 1197-1209	1.3	2
21	A new form of vanadium oxide for use as a cathode material in lithium batteries. <i>Journal of Power Sources</i> , 1998 , 74, 40-45	8.9	2
20	In Situ Electrochemical ATR-FTIR Spectroscopic Investigation of Hydrogen-Terminated Si(111) Surface in Diluted NH ₄ F Solution. <i>Journal of the Electrochemical Society</i> , 2001 , 148, E336	3.9	2
19	Determination of Erythrocyte Porphyrins by Epi-Illumination Fluorescence Microscope with Capillary Electrophoresis. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1996 , 19, 1-15	1.3	2
18	A high-performance liquid chromatographic procedure for the analysis of priority substituted phenols in water samples. <i>International Journal of Environmental Studies</i> , 1991 , 38, 19-24	1.8	2
17	Reversed-phase high performance liquid chromatographic separation of nitrosamines: The use of the overlapping resolution mapping technique for the optimization of solvent compositions. <i>Chromatographia</i> , 1993 , 35, 671-674	2.1	2
16	Experimental studies on supercritical fluid separation processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 46, 1-10	3.5	1
15	Alternative NH ₄ F/HCl solution for ultraclean Si(001) surface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000 , 18, 2542	2.9	1
14	An optimization procedure for the isocratic high-performance liquid chromatographic separations of environmental pollutants. <i>Environmental Monitoring and Assessment</i> , 1991 , 19, 35-46	3.1	1
13	Evaluation of Anti-Inflammatory Effects of Celery Leaf and Stem Extracts in LPS-Induced RAW 264.7 Cells Using Nitric Oxide Assay and LC-MS Based Metabolomics. <i>Current Issues in Molecular Biology</i> , 2021 , 43, 1876-1888	2.9	1

12	Application of omics beyond the central dogma in coronary heart disease research: A bibliometric study and literature review. <i>Computers in Biology and Medicine</i> , 2021 , 140, 105069	7	1
11	Controlled modification of conducting polymer surfaces by atomic force microscope. <i>Journal of Materials Science Letters</i> , 1996 , 15, 2080-2084		1
10	Optimisation of an Aglycone-Enhanced Celery Extract with Germinated Soy Supplementation Using Response Surface Methodology. <i>Foods</i> , 2021 , 10,	4.9	1
9	Rapid and Sensitive Direct Detection of Endotoxins by Pyrolysis-Gas Chromatography-Mass Spectrometry. <i>ACS Omega</i> , 2021 , 6, 15192-15198	3.9	1
8	Indirect laser-induced fluorescence detection of valproic acid in human serum by capillary electrophoresis 1999 , 20, 1856		1
7	Surface structures of thermoplastic and thermoset films after modification by graft copolymerization: Comparative study by x-ray photoelectron spectroscopy and atomic force microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society, Surface Characterization, Processing and Phenomena</i> , 2001 , 14, 1611		0
6	Cross-identification of N-Glycans by CE-LIF using two capillary coatings and three labeling dyes. <i>Talanta</i> , 2021 , 239, 123061	6.2	0
5	Glycans in blood as biomarkers for forensic applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 133, 116084	14.6	0
4	Systematic parameter screening for capillary electrophoresis monitoring of surfactants on silicon wafer surfaces by designed experiments. <i>Journal of Chromatographic Science</i> , 2006 , 44, 6-12	1.4	
3	Separation of polymerase chain reaction amplified bird genes by capillary electrophoresis. <i>Electrophoresis</i> , 2000 , 21, 1336-40	3.6	
2	Response of A Modified Surface Acoustic Wave (Saw) Sensor System to Changes in Dielectric Constant and Solution Conductivity. <i>Instrumentation Science and Technology</i> , 1995 , 23, 301-309	1.4	
1	SYSTEMATIC OPTIMIZATION OF CAPILLARY ELECTROPHORETIC SEPARATIONS. <i>Analytical Sciences</i> , 1991 , 7, 1539-1544	1.7	