

Purnendu K Dasgupta

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.

381 papers	12,577 citations	55 h-index	89 g-index
388 ext. papers	13,347 ext. citations	7.1 avg, IF	6.46 L-index

#	Paper	IF	Citations
381	Shape-Based Peak Identity Confirmation in Liquid Chromatography. <i>Analytical Chemistry</i> , 2021 , 93, 3848-3856	7.8	1
380	Automated Programmable Generation of Broad pH Range Volatile Ionic Eluents for Liquid Chromatography. <i>Analytical Chemistry</i> , 2021 , 93, 5442-5450	7.8	0
379	Gradient nanopump based suppressed ion chromatography using PEEK open tubular columns. <i>Talanta Open</i> , 2021 , 3, 100029	5.6	2
378	Moldable capillary suppressor for open tubular ion chromatography based on a polymeric ion exchanger.. <i>Talanta Open</i> , 2021 , 4, 100062	5.6	0
377	Nanovolume Gas-Free Hydroxide Eluent Generator for Open Tubular Ion Chromatography. <i>Analytical Chemistry</i> , 2020 , 92, 5561-5568	7.8	8
376	Exploiting adduct formation through an auxiliary spray in liquid chromatography-electrospray ionization mass spectrometry to improve charge-carrier identification. <i>Journal of Chromatography A</i> , 2020 , 1632, 461601	4.5	2
375	Moldable Strong Cation Exchange Polymer and Microchannel Fabrication. <i>Analytical Chemistry</i> , 2020 , 92, 13378-13386	7.8	2
374	Optimum Cell Pathlength or Volume for Absorbance Detection in Liquid Chromatography: Transforming Longer Cell Results to Virtual Shorter Cells. <i>Analytical Chemistry</i> , 2020 , 92, 6391-6400	7.8	6
373	Ion exchange membranes in ion chromatography and related applications. <i>Talanta</i> , 2019 , 204, 89-137	6.2	15
372	Inline flow sensor for ventriculoperitoneal shunts: Experimental evaluation in swine. <i>Medical Engineering and Physics</i> , 2019 , 67, 66-72	2.4	4
371	Carbonic Acid Eluent Ion Chromatography. <i>Analytical Chemistry</i> , 2019 , 91, 3636-3644	7.8	5
370	Attenuation Coefficients of Tubular Conduits for Liquid Phase Absorbance Measurement: Shot Noise Limited Optimum Path Length. <i>Analytical Chemistry</i> , 2019 , 91, 9481-9489	7.8	4
369	Time-of-Sight Liquid Flow Measurements in the Low Nanoliters per Minute Scale. <i>Analytical Chemistry</i> , 2019 , 91, 14332-14339	7.8	4
368	Direct Photothermal Measurement of Optical Absorption in a Flow System. <i>Analytical Chemistry</i> , 2019 , 91, 2923-2931	7.8	3
367	Ion exchange column capacities. Predicting retention behavior of open tubular columns coated with the same phase. <i>Journal of Chromatography A</i> , 2018 , 1550, 75-79	4.5	9
366	Flow-Cell-Induced Dispersion in Flow-through Absorbance Detection Systems: True Column Effluent Peak Variance. <i>Analytical Chemistry</i> , 2018 , 90, 2063-2069	7.8	10
365	Characterization of ion exchange functionalized cyclic olefin polymer open tubular columns. <i>Analytica Chimica Acta</i> , 2018 , 1036, 187-194	6.6	7

364	Low-Bleed Silica-Based Stationary Phase for Hydrophilic Interaction Liquid Chromatography. <i>Analytical Chemistry</i> , 2018 , 90, 8750-8755	7.8	22
363	Continuous measurement of elemental composition of ambient aerosol by induction-coupled plasma mass spectrometry. <i>Talanta</i> , 2018 , 177, 197-202	6.2	6
362	Capillary Scale Admittance and Conductance Detection. <i>Analytical Chemistry</i> , 2018 , 90, 14561-14568	7.8	9
361	Width Based Quantitation of Chromatographic Peaks: Principles and Principal Characteristics. <i>Analytical Chemistry</i> , 2017 , 89, 3884-3892	7.8	8
360	Width Based Characterization of Chromatographic Peaks: Beyond Height and Area. <i>Analytical Chemistry</i> , 2017 , 89, 3893-3900	7.8	7
359	Automated programmable pressurized carbonic acid eluent ion exclusion chromatography of organic acids. <i>Journal of Chromatography A</i> , 2017 , 1523, 300-308	4.5	6
358	Automated Programmable Preparation of Carbonate-Bicarbonate Eluents for Ion Chromatography with Pressurized Carbon Dioxide. <i>Analytical Chemistry</i> , 2017 , 89, 10063-10070	7.8	9
357	Admittance Scanning for Whole Column Detection. <i>Analytical Chemistry</i> , 2017 , 89, 7203-7209	7.8	6
356	Inline Shunt Flow Monitor for Hydrocephalus. <i>Analytical Chemistry</i> , 2017 , 89, 8170-8176	7.8	5
355	Matrix isolation with an ion transfer device for interference-free simultaneous spectrophotometric determinations of hexavalent and trivalent chromium in a flow-based system. <i>Talanta</i> , 2017 , 164, 445-450	6.2	19
354	Electrodialytic Capillary Suppressor for Open Tubular Ion Chromatography. <i>Analytical Chemistry</i> , 2016 , 88, 12021-12027	7.8	15
353	Functionalized Cycloolefin Polymer Capillaries for Open Tubular Ion Chromatography. <i>Analytical Chemistry</i> , 2016 , 88, 12013-12020	7.8	17
352	Conductometric Gradient Ion Exclusion Chromatography for Volatile Fatty Acids. <i>Analytical Chemistry</i> , 2016 , 88, 12323-12329	7.8	2
351	Water ICE: Ion Exclusion Chromatography of Very Weak Acids with a Pure Water Eluent. <i>Analytical Chemistry</i> , 2016 , 88, 4965-70	7.8	8
350	Evaluation of Amount of Blood in Dry Blood Spots: Ring-Disk Electrode Conductometry. <i>Analytical Chemistry</i> , 2016 , 88, 6531-7	7.8	18
349	Transient Ion-Pair Separations for Electrospray Mass Spectrometry. <i>Analytical Chemistry</i> , 2016 , 88, 2059-2068	6.8	3
348	Sampling frequency, response times and embedded signal filtration in fast, high efficiency liquid chromatography: A tutorial. <i>Analytica Chimica Acta</i> , 2016 , 907, 31-44	6.6	63
347	Poly(vinyl alcohol) Modified Porous Graphitic Carbon Stationary Phase for Hydrophilic Interaction Liquid Chromatography. <i>Analytical Chemistry</i> , 2016 , 88, 4676-81	7.8	36

346	Permeative Amine Introduction for Very Weak Acid Detection in Ion Chromatography. <i>Analytical Chemistry</i> , 2016 , 88, 2198-204	7.8	10
345	Concurrent high-sensitivity conductometric detection of volatile weak acids in a suppressed anion chromatography system. <i>Analytical Chemistry</i> , 2015 , 87, 8342-6	7.8	11
344	Micro Ion Extractor for Single Drop Whole Blood Analysis. <i>Analytical Chemistry</i> , 2015 , 87, 6483-6	7.8	10
343	Enigmatic ion-exchange behavior of myo-inositol phosphates. <i>Analytical Chemistry</i> , 2015 , 87, 4851-5	7.8	7
342	Simultaneous Electrodialytic Preconcentration and Speciation of Chromium(III) and Chromium(VI). <i>Analytical Chemistry</i> , 2015 , 87, 11575-80	7.8	30
341	Electrodialytic matrix isolation for metal cations. <i>Talanta</i> , 2015 , 132, 228-33	6.2	10
340	Comment on "Rapid visual detection of blood cyanide" by C. Mñnel-Croisland F. Zelder, , 2012, 4, 2632. <i>Analytical Methods</i> , 2015 , 7, 5707-5711	3.2	
339	Mixing characteristics of mixers in flow analysis. Application to two-dimensional detection in ion chromatography. <i>Analytical Chemistry</i> , 2015 , 87, 793-800	7.8	11
338	Nonlinear absorbance amplification using a diffuse reflectance cell: total organic carbon monitoring at 214 nm. <i>Analytical Chemistry</i> , 2015 , 87, 1111-7	7.8	4
337	Capillary scale admittance detection. <i>Analytical Chemistry</i> , 2014 , 86, 11538-46	7.8	34
336	An open tubular ion chromatograph. <i>Analytical Chemistry</i> , 2014 , 86, 11554-61	7.8	28
335	Expanding the linear dynamic range for quantitative liquid chromatography-high resolution mass spectrometry utilizing natural isotopologue signals. <i>Analytica Chimica Acta</i> , 2014 , 850, 65-70	6.6	15
334	Formaldehyde content of atmospheric aerosol. <i>Environmental Science & Technology</i> , 2014 , 48, 6636-43	4.3	30
333	Speciation and detection of arsenic in aqueous samples: a review of recent progress in non-atomic spectrometric methods. <i>Analytica Chimica Acta</i> , 2014 , 831, 1-23	6.6	115
332	Electrochemical arsine generators for arsenic determination. <i>Analytical Chemistry</i> , 2014 , 86, 7705-11	7.8	15
331	Cavity-enhanced absorption measurements across broad absorbance and reflectivity ranges. <i>Analytical Chemistry</i> , 2014 , 86, 3727-34	7.8	6
330	Light-emitting diodes for analytical chemistry. <i>Annual Review of Analytical Chemistry</i> , 2014 , 7, 183-207	12.5	87
329	On-line electrodialytic matrix isolation for chromatographic determination of organic acids in wine. <i>Journal of Chromatography A</i> , 2014 , 1372C, 18-24	4.5	24

328	Admittance detector for high impedance systems: design and applications. <i>Analytical Chemistry</i> , 2014 , 86, 11547-53	7.8	31
327	What can in situ ion chromatography offer for Mars exploration?. <i>Astrobiology</i> , 2014 , 14, 577-88	3.7	8
326	Relative source contributions for perchlorate exposures in a lactating human cohort. <i>Science of the Total Environment</i> , 2013 , 443, 939-43	10.2	10
325	Tutorial: simulating chromatography with Microsoft Excel Macros. <i>Analytica Chimica Acta</i> , 2013 , 773, 1-8	6.6	9
324	A disposable blood cyanide sensor. <i>Analytica Chimica Acta</i> , 2013 , 768, 129-35	6.6	42
323	Anion composition of aloe extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 5928-35	5.7	5
322	Polymethylmethacrylate open tubular ion exchange columns: nondestructive measurement of very small ion exchange capacities. <i>Analytical Chemistry</i> , 2013 , 85, 7994-8000	7.8	14
321	Perchlorate, iodine supplements, iodized salt and breast milk iodine content. <i>Science of the Total Environment</i> , 2012 , 420, 73-8	10.2	25
320	Resolving DNA in free solution. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 35, 122-134	14.6	11
319	Confeito-like assembly of organosilicate-caged fluorophores: ultrabright suprananoparticles for fluorescence imaging. <i>Nanotechnology</i> , 2012 , 23, 175601	3.4	8
318	Iron(III) modification of <i>Bacillus subtilis</i> membranes provides record sorption capacity for arsenic and endows unusual selectivity for As(V). <i>Environmental Science & Technology</i> , 2012 , 46, 2251-6	10.3	53
317	Breastfed infants metabolize perchlorate. <i>Environmental Science & Technology</i> , 2012 , 46, 5151-9	10.3	7
316	Electrodialytic membrane suppressors for ion chromatography make programmable buffer generators. <i>Analytical Chemistry</i> , 2012 , 84, 67-75	7.8	9
315	Automated on-line preconcentration of trace aqueous mercury with gold trap focusing for cold vapor atomic absorption spectrometry. <i>Talanta</i> , 2012 , 99, 1040-5	6.2	19
314	pH- and concentration-programmable electrodialytic buffer generator. <i>Analytical Chemistry</i> , 2012 , 84, 59-66	7.8	10
313	Cobinamide chemistries for photometric cyanide determination. A merging zone liquid core waveguide cyanide analyzer using cyanoaquacobinamide. <i>Analytica Chimica Acta</i> , 2012 , 736, 78-84	6.6	36
312	Characterization of a constant current charge detector. <i>Talanta</i> , 2012 , 102, 44-52	6.2	3
311	A capacitance sensor for water: trace moisture measurement in gases and organic solvents. <i>Analytical Chemistry</i> , 2012 , 84, 8891-7	7.8	44

310	Electrodialytic ion isolation for matrix removal. <i>Analytical Chemistry</i> , 2012 , 84, 5421-6	7.8	20
309	Flow batteries for microfluidic networks: configuring an electroosmotic pump for nonterminal positions. <i>Analytical Chemistry</i> , 2011 , 83, 2430-3	7.8	18
308	On-line electrodialytic salt removal in electrospray ionization mass spectrometry of proteins. <i>Analytical Chemistry</i> , 2011 , 83, 1015-21	7.8	32
307	Multilayer chitosan-based open tubular capillary anion exchange column with integrated monolithic capillary suppressor. <i>Analytica Chimica Acta</i> , 2011 , 707, 210-7	6.6	17
306	Expanding the linear dynamic range for multiple reaction monitoring in quantitative liquid chromatography-tandem mass spectrometry utilizing natural isotopologue transitions. <i>Talanta</i> , 2011 , 87, 307-10	6.2	35
305	Oxidation state-differentiated measurement of aqueous inorganic arsenic by continuous flow electrochemical arsine generation coupled to gas-phase chemiluminescence detection. <i>Analytical Chemistry</i> , 2011 , 83, 9378-83	7.8	22
304	Thiolated eggshell membranes sorb and speciate inorganic selenium. <i>Analyst, The</i> , 2011 , 136, 83-9	5	23
303	Rapid point of care analyzer for the measurement of cyanide in blood. <i>Analytical Chemistry</i> , 2011 , 83, 4319-24	7.8	37
302	Fenton digestion of milk for iodinalysis. <i>Analytical Chemistry</i> , 2011 , 83, 8300-7	7.8	12
301	Rapid nondestructive spectrometric measurement of temperature-dependent gas-liquid solubility equilibria. <i>Analytical Chemistry</i> , 2011 , 83, 1157-61	7.8	1
300	Controlled porosity monolithic material as permselective ion exchange membranes. <i>Analytica Chimica Acta</i> , 2011 , 689, 155-9	6.6	12
299	Review of analytical methods for the quantification of iodine in complex matrices. <i>Analytica Chimica Acta</i> , 2011 , 702, 16-36	6.6	99
298	Temperature dependence of Henry's law constant for hydrogen cyanide. Generation of trace standard gaseous hydrogen cyanide. <i>Environmental Science & Technology</i> , 2010 , 44, 3028-34	10.3	15
297	Black box linearization for greater linear dynamic range: the effect of power transforms on the representation of data. <i>Analytical Chemistry</i> , 2010 , 82, 10143-50	7.8	21
296	Cobinamide-based cyanide analysis by multiwavelength spectrometry in a liquid core waveguide. <i>Analytical Chemistry</i> , 2010 , 82, 6244-50	7.8	39
295	Electrodialytic reagent introduction in flow systems. <i>Analytical Chemistry</i> , 2010 , 82, 3981-4	7.8	8
294	Measurement of nitrophenols in rain and air by two-dimensional liquid chromatography-chemically active liquid core waveguide spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 5838-43	7.8	22
293	Doped soap membranes selectively permeate a chiral isomer. <i>Journal of the American Chemical Society</i> , 2010 , 132, 18045-7	16.4	9

292	Semicontinuous automated measurement of organic carbon in atmospheric aerosol samples. <i>Analytical Chemistry</i> , 2010 , 82, 1334-41	7.8	2
291	Charge detector for the measurement of ionic solutes. <i>Analytical Chemistry</i> , 2010 , 82, 951-8	7.8	19
290	Free solution hydrodynamic separation of DNA fragments from 75 to 106,000 base pairs in a single run. <i>Journal of the American Chemical Society</i> , 2010 , 132, 40-1	16.4	42
289	A cold plasma dielectric barrier discharge atomic emission detector for atmospheric mercury. <i>Talanta</i> , 2010 , 81, 1109-15	6.2	25
288	Miniature open channel scrubbers for gas collection. <i>Talanta</i> , 2010 , 82, 1870-5	6.2	13
287	Green analyzer for the measurement of total arsenic in drinking water: electrochemical reduction of arsenate to arsine and gas phase chemiluminescence with ozone. <i>Analytical Chemistry</i> , 2010 , 82, 3467-73	7.8	35
286	Gas collection efficiency of annular denuders: a spreadsheet-based calculator. <i>Analytica Chimica Acta</i> , 2010 , 664, 56-61	6.6	13
285	A simple inexpensive gas phase chemiluminescence analyzer for measuring trace levels of arsenic in drinking water. <i>Environmental Pollution</i> , 2010 , 158, 252-7	9.3	16
284	Variations and sources of ambient formaldehyde for the 2008 Beijing Olympic games. <i>Atmospheric Environment</i> , 2010 , 44, 2632-2639	5.3	61
283	Recent developments in cyanide detection: a review. <i>Analytica Chimica Acta</i> , 2010 , 673, 117-25	6.6	255
282	Perchlorate: a cause for iodine deficiency?. <i>Environmental Chemistry</i> , 2009 , 6, 7	3.2	7
281	Entropy driven spontaneous formation of highly porous films from polymer-nanoparticle composites. <i>Nanotechnology</i> , 2009 , 20, 425602	3.4	19
280	A permeable membrane capacitance sensor for ionogenic gases Application to the measurement of total organic carbon. <i>Analytica Chimica Acta</i> , 2009 , 652, 245-50	6.6	15
279	A multifunctional dual membrane electrodialytic eluent generator for capillary ion chromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 2412-6	4.5	20
278	Automated measurement of urinary creatinine by multichannel kinetic spectrophotometry. <i>Analytical Biochemistry</i> , 2009 , 384, 238-44	3.1	35
277	Response to Comment on Intake of Iodine and Perchlorate and Excretion in Human Milk. <i>Environmental Science & Technology</i> , 2009 , 43, 2656-2658	10.3	1
276	Ion exchange resin bead decoupled high-pressure electroosmotic pump. <i>Analytical Chemistry</i> , 2009 , 81, 5102-6	7.8	7
275	Live HeLa cells preconcentrate and differentiate inorganic arsenic species. <i>Analytical Chemistry</i> , 2009 , 81, 1291-6	7.8	34

274	Nanocapillaries for open tubular chromatographic separations of proteins in femtoliter to picoliter samples. <i>Analytical Chemistry</i> , 2009 , 81, 7428-35	7.8	41
273	Sensing parts per million levels of gaseous NO ₂ by a optical fiber transducer based on calix[4]arenes. <i>Talanta</i> , 2009 , 77, 1814-20	6.2	45
272	Trace iodine quantitation in biological samples by mass spectrometric methods: the optimum internal standard. <i>Talanta</i> , 2009 , 79, 235-42	6.2	20
271	An automated hydride generation interface to ICPMS for measuring total arsenic in environmental samples. <i>Analytical Chemistry</i> , 2009 , 81, 9737-43	7.8	37
270	Fiber optic sensor for simultaneous determination of atmospheric nitrogen dioxide, ozone, and relative humidity. <i>Analytical Chemistry</i> , 2009 , 81, 4183-91	7.8	32
269	Perchlorate production by ozone oxidation of chloride in aqueous and dry systems. <i>Science of the Total Environment</i> , 2008 , 405, 301-9	10.2	67
268	Iodine nutrition: iodine content of iodized salt in the United States. <i>Environmental Science & Technology</i> , 2008 , 42, 1315-23	10.3	90
267	Atmospheric ozone measurement with an inexpensive and fully automated porous tube collector-colorimeter. <i>Talanta</i> , 2008 , 74, 958-64	6.2	21
266	Use of a capacitance measurement device for surrogate noncontact conductance measurement. <i>Talanta</i> , 2008 , 76, 617-20	6.2	26
265	Measurement of soil/dust arsenic by gas phase chemiluminescence. <i>Talanta</i> , 2008 , 77, 372-9	6.2	15
264	Robust hybrid flow analyzer for formaldehyde. <i>Environmental Science & Technology</i> , 2008 , 42, 1221-6	10.3	23
263	Intake of iodine and perchlorate and excretion in human milk. <i>Environmental Science & Technology</i> , 2008 , 42, 8115-21	10.3	62
262	Airborne bacterial spore counts by terbium-enhanced luminescence detection: pitfalls and real values. <i>Environmental Science & Technology</i> , 2008 , 42, 2799-804	10.3	13
261	On-line gas-free electrodialytic eluent generator for capillary ion chromatography. <i>Analytical Chemistry</i> , 2008 , 80, 40-7	7.8	31
260	Environmental Applications: Atmospheric Trace Gas Analyses. <i>Comprehensive Analytical Chemistry</i> , 2008 , 639-683	1.9	7
259	A time-gated fluorescence detector using a tuning fork chopper. <i>Analytica Chimica Acta</i> , 2008 , 616, 63-86	6.6	1
258	Gravity-flow open tubular cation chromatography. <i>Journal of Separation Science</i> , 2008 , 31, 2745-53	3.4	23
257	Chromatographic peak resolution using Microsoft Excel Solver. The merit of time shifting input arrays. <i>Journal of Chromatography A</i> , 2008 , 1213, 50-5	4.5	20

256	Creatinine adjustment of spot urine samples and 24 h excretion of iodine, selenium, perchlorate, and thiocyanate. <i>Environmental Science & Technology</i> , 2008 , 42, 9419-23	10.3	33
255	Perchlorate in dairy milk. Comparison of Japan versus the United States. <i>Environmental Science & Technology</i> , 2007 , 41, 88-92	10.3	94
254	Dicationic ion-pairing agents for the mass spectrometric determination of perchlorate. <i>Analytical Chemistry</i> , 2007 , 79, 7198-200	7.8	19
253	Tailoring elution of tetraalkylammonium ions. Ideal electrostatic selectivity elution order on a polymeric ion exchanger. <i>Analytical Chemistry</i> , 2007 , 79, 769-72	7.8	16
252	Liquid chromatographic arsenic speciation with gas-phase chemiluminescence detection. <i>Analytical Chemistry</i> , 2007 , 79, 9197-204	7.8	31
251	Postcolumn concentration in liquid chromatography. On-line eluent evaporation and analyte postconcentration in ion chromatography. <i>Analytical Chemistry</i> , 2007 , 79, 5690-7	7.8	12
250	Can breath isoprene be measured by ozone chemiluminescence?. <i>Analytical Chemistry</i> , 2007 , 79, 2641-9	7.8	25
249	Open tubular anion exchange chromatography. Controlled layered architecture of stationary phase by successive condensation polymerization. <i>Analytical Chemistry</i> , 2007 , 79, 5462-7	7.8	57
248	Temporal patterns in perchlorate, thiocyanate, and iodide excretion in human milk. <i>Environmental Health Perspectives</i> , 2007 , 115, 182-6	8.4	79
247	Capillary scale light emitting diode based multi-reflection absorbance detector. <i>Analytica Chimica Acta</i> , 2007 , 605, 166-74	6.6	24
246	A general, positive ion mode ESI-MS approach for the analysis of singly charged inorganic and organic anions using a dicationic reagent. <i>Analytical Chemistry</i> , 2007 , 79, 7346-52	7.8	82
245	NEW APPLICATIONS OF CHEMILUMINESCENCE FOR SELECTIVE GAS ANALYSIS. <i>Chemical Engineering Communications</i> , 2007 , 195, 82-97	2.2	27
244	Thin layer distillation for matrix isolation in flow analysis. <i>Talanta</i> , 2007 , 72, 741-6	6.2	24
243	Monitoring and Source Apportionment of Fine Particulate Matter at Lindon, Utah. <i>Aerosol Science and Technology</i> , 2006 , 40, 941-951	3.4	8
242	Measurement of ammonia in human breath with a liquid-film conductivity sensor. <i>Analytical Chemistry</i> , 2006 , 78, 7284-91	7.8	65
241	A gas-phase chemiluminescence-based analyzer for waterborne arsenic. <i>Analytical Chemistry</i> , 2006 , 78, 7088-97	7.8	43
240	Perchlorate in the United States. Analysis of relative source contributions to the food chain. <i>Environmental Science & Technology</i> , 2006 , 40, 6608-14	10.3	145
239	Soap bubbles in analytical chemistry. Conductometric determination of sub-parts per million levels of sulfur dioxide with a soap bubble. <i>Analytical Chemistry</i> , 2006 , 78, 2786-93	7.8	15

238	Hybrid fluorometric flow analyzer for ammonia. <i>Analytical Chemistry</i> , 2006 , 78, 1890-6	7.8	35
237	Versatile gas/particle ion chromatograph. <i>Environmental Science & Technology</i> , 2006 , 40, 962-8	10.3	28
236	Frequency-selective absorbance detection: Refractive index and turbidity compensation with dual-wavelength measurement. <i>Talanta</i> , 2006 , 69, 906-13	6.2	13
235	Perchlorate in seawater: bioconcentration of iodide and perchlorate by various seaweed species. <i>Analytica Chimica Acta</i> , 2006 , 567, 100-7	6.6	62
234	Matrix interference free determination of perchlorate in urine by ion association-ion chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2006 , 567, 79-86	6.6	30
233	Sample processing method for the determination of perchlorate in milk. <i>Analytica Chimica Acta</i> , 2006 , 567, 73-8	6.6	39
232	Speciation-capable field instrument for the measurement of arsenite and arsenate in water. <i>Analytical Chemistry</i> , 2005 , 77, 4765-73	7.8	34
231	Response to Comment on Perchlorate and Iodide in Dairy and Breast Milk— <i>Environmental Science & Technology</i> , 2005 , 39, 5499-5500	10.3	5
230	Summertime ambient formaldehyde in five U.S. metropolitan areas: Nashville, Atlanta, Houston, Philadelphia, and Tampa. <i>Environmental Science & Technology</i> , 2005 , 39, 4767-83	10.3	57
229	Automated Low-Pressure Carbonate Eluent Ion Chromatography System with Postsuppressor Carbon Dioxide Removal for the Analysis of Atmospheric Gases and Particles. <i>Aerosol Science and Technology</i> , 2005 , 39, 1072-1084	3.4	1
228	Response to Comment on Perchlorate and Iodide in Dairy and Breast Milk— <i>Environmental Science & Technology</i> , 2005 , 39, 5902-5903	10.3	5
227	Continuous collection of soluble atmospheric particles with a wetted hydrophilic filter. <i>Analytical Chemistry</i> , 2005 , 77, 8031-40	7.8	18
226	Perchlorate and iodide in dairy and breast milk. <i>Environmental Science & Technology</i> , 2005 , 39, 2011-17	10.3	255
225	Preconcentration/preelution ion chromatography for the determination of perchlorate in complex samples. <i>Talanta</i> , 2005 , 65, 750-5	6.2	33
224	A chemiluminescence-based continuous flow aqueous ozone analyzer using photoactivated chromotropic acid. <i>Talanta</i> , 2005 , 66, 823-30	6.2	15
223	The origin of naturally occurring perchlorate: the role of atmospheric processes. <i>Environmental Science & Technology</i> , 2005 , 39, 1569-75	10.3	324
222	Gas-phase ion association provides increased selectivity and sensitivity for measuring perchlorate by mass spectrometry. <i>Analytical Chemistry</i> , 2005 , 77, 4829-35	7.8	77
221	Measurement of gaseous and aqueous trace formaldehyde. <i>Analytica Chimica Acta</i> , 2005 , 531, 51-68	6.6	55

220	Determination of acetone in breath. <i>Analytica Chimica Acta</i> , 2005 , 535, 189-199	6.6	92
219	Light at the end of the tunnel: recent analytical applications of liquid-core waveguides. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 385-392	14.6	91
218	Capillary ion chromatography. <i>Journal of Separation Science</i> , 2004 , 27, 1441-57	3.4	39
217	Catalytic decomposition of hydrogen peroxide by a flow-through self-regulating platinum black heater. <i>Analytica Chimica Acta</i> , 2004 , 510, 9-13	6.6	17
216	Asymmetric membrane fiber-based carbon dioxide removal devices for ion chromatography. <i>Analytical Chemistry</i> , 2004 , 76, 7084-93	7.8	21
215	Durable microfabricated high-speed humidity sensors. <i>Analytical Chemistry</i> , 2004 , 76, 2561-7	7.8	40
214	Membrane-based parallel plate denuder for the collection and removal of soluble atmospheric gases. <i>Analytical Chemistry</i> , 2004 , 76, 1204-10	7.8	27
213	Field instrument for simultaneous large dynamic range measurement of atmospheric hydrogen sulfide, methanethiol, and sulfur dioxide. <i>Environmental Science & Technology</i> , 2004 , 38, 1529-36	10.3	50
212	Determination of acid dissociation constants based on continuous titration by feedback-based flow ratiometry. <i>Talanta</i> , 2004 , 64, 1169-74	6.2	5
211	Mid-ultraviolet light-emitting diode detects dipicolinic acid. <i>Applied Spectroscopy</i> , 2004 , 58, 1360-3	3.1	23
210	Selective measurement of gaseous hydrogen peroxide with light emitting diode-based liquid-core waveguide absorbance detector. <i>Analytical Sciences</i> , 2003 , 19, 517-23	1.7	22
209	Portable flow-injection analyzer with liquid-core waveguide based fluorescence, luminescence, and long path length absorbance detector. <i>Analytica Chimica Acta</i> , 2003 , 479, 151-165	6.6	63
208	Liquid core waveguide-based optical spectrometry for field estimation of dissolved BTEX compounds in groundwater. <i>Analytica Chimica Acta</i> , 2003 , 485, 155-167	6.6	18
207	Determination of dissociation constants of weak acids by feedback-based flow ratiometry. <i>Analytica Chimica Acta</i> , 2003 , 499, 199-204	6.6	4
206	Light emitting diode-based detectors: Absorbance, fluorescence and spectroelectrochemical measurements in a planar flow-through cell. <i>Analytica Chimica Acta</i> , 2003 , 500, 337-364	6.6	164
205	A nanoinjector for microanalysis. <i>Analytical Chemistry</i> , 2003 , 75, 3919-23	7.8	15
204	A continuous analyzer for soluble anionic constituents and ammonium in atmospheric particulate matter. <i>Environmental Science & Technology</i> , 2003 , 37, 5711-20	10.3	44
203	Silver-induced enhancement of thiochrome-based peroxide measurements. <i>Analytical Chemistry</i> , 2003 , 75, 6753-8	7.8	12

202	Chemiluminometric measurement of atmospheric ozone with photoactivated chromotropic acid. <i>Analytical Chemistry</i> , 2003 , 75, 5916-25	7.8	25
201	Trace gas measurement with an integrated porous tube collector/long-path absorbance detector. <i>Analytical Chemistry</i> , 2003 , 75, 4050-6	7.8	37
200	An energy-efficient self-regulating heater for flow-through applications. <i>Analytical Chemistry</i> , 2003 , 75, 3924-8	7.8	7
199	Pulsed excitation source multiplexed fluorometry for the simultaneous measurement of multiple analytes. Continuous measurement of atmospheric hydrogen peroxide and methyl hydroperoxide. <i>Analytical Chemistry</i> , 2003 , 75, 1203-10	7.8	40
198	Determination of trace perchlorate in high-salinity water samples by ion chromatography with on-line preconcentration and preelution. <i>Analytical Chemistry</i> , 2003 , 75, 701-6	7.8	63
197	Continuous on-line feedback based flow titrations. Complexometric titrations of calcium and magnesium. <i>Talanta</i> , 2003 , 60, 131-7	6.2	10
196	Perchlorate in milk. <i>Environmental Science & Technology</i> , 2003 , 37, 4979-81	10.3	140
195	An automated sequential injection analysis system for the determination of trace endotoxin levels in water. <i>PDA Journal of Pharmaceutical Science and Technology</i> , 2003 , 57, 12-24	0.6	4
194	Oxygen-independent poly(dimethylsiloxane)-based carbon-paste glucose biosensors. <i>Biosensors and Bioelectronics</i> , 2002 , 17, 999-1003	11.8	24
193	Chapter 5 Automated diffusion-based collection and measurement of atmospheric trace gases. <i>Comprehensive Analytical Chemistry</i> , 2002 , 97-160	1.9	8
192	Hybrid microfabricated device for field measurement of atmospheric sulfur dioxide. <i>Analytical Chemistry</i> , 2002 , 74, 5890-6	7.8	40
191	Field measurement of acid gases and soluble anions in atmospheric particulate matter using a parallel plate wet denuder and an alternating filter-based automated analysis system. <i>Analytical Chemistry</i> , 2002 , 74, 1256-68	7.8	58
190	Microscale continuous ion exchanger. <i>Analytical Chemistry</i> , 2002 , 74, 5667-75	7.8	25
189	Flow of multiple fluids in a small dimension. <i>Analytical Chemistry</i> , 2002 , 74, 208A-213A	7.8	16
188	A microfabricated amperometric moisture sensor. <i>Talanta</i> , 2002 , 56, 309-21	6.2	6
187	Superheated water eluent capillary liquid chromatography. <i>Talanta</i> , 2002 , 56, 977-87	6.2	47
186	Photometric measurement of trace As(III) and As(V) in drinking water. <i>Talanta</i> , 2002 , 58, 153-64	6.2	37
185	Measurement of atmospheric formaldehyde with a diffusion scrubber and light-emitting diode liquid-core waveguide based fluorometry. <i>Field Analytical Chemistry and Technology</i> , 2001 , 5, 2-12		41

184	Dispersion in open tubular reactors of various geometries. <i>Analytica Chimica Acta</i> , 2001 , 428, 163-171	6.6	31
183	Measurement of parts per million levels of potassium hydroxide in polyether polyol streams. <i>Analytica Chimica Acta</i> , 2001 , 429, 101-110	6.6	8
182	Measurement of nitrogen dioxide and nitrous acid using gas-permeable liquid core waveguides. <i>Analytica Chimica Acta</i> , 2001 , 431, 169-180	6.6	27
181	Continuous on-line true titrations by feedback based flow ratiometry: application to potentiometric acid-base titrations. <i>Analytica Chimica Acta</i> , 2001 , 435, 289-297	6.6	15
180	Measurement of gaseous hydrogen peroxide with a liquid core waveguide chemiluminescence detector. <i>Analytica Chimica Acta</i> , 2001 , 442, 63-70	6.6	32
179	Fluorometric field instrument for continuous measurement of atmospheric hydrogen sulfide. <i>Analytical Chemistry</i> , 2001 , 73, 5716-24	7.8	46
178	Continuous automated measurement of hexavalent chromium in airborne particulate matter. <i>Analytical Chemistry</i> , 2001 , 73, 2034-40	7.8	33
177	Two-Dimensional detection in ion chromatography: sequential conductometry after suppression and passive hydroxide introduction. <i>Analytical Chemistry</i> , 2001 , 73, 4694-703	7.8	17
176	A miniaturized liquid core waveguide-capillary electrophoresis system with flow injection sample introduction and fluorometric detection using light-emitting diodes. <i>Analytical Chemistry</i> , 2001 , 73, 4545-9	7.8	99
175	Hot eluent capillary liquid chromatography using zirconia and titania based stationary phases. <i>Analytica Chimica Acta</i> , 2000 , 414, 71-78	6.6	26
174	Determination of oxidative stability of lipids in solid samples. <i>JAOCs, Journal of the American Oil Chemists Society</i> , 2000 , 77, 217-222	1.8	4
173	A simple instrument for ultraviolet-visible absorption spectrophotometry in high temperature molten salt media. <i>Review of Scientific Instruments</i> , 2000 , 71, 2283-2287	1.7	6
172	Simultaneous flow-injection measurement of hydroxide, chloride, hypochlorite and chlorate in Chlor-alkali cell effluents. <i>Talanta</i> , 2000 , 52, 623-30	6.2	19
171	Continuous on-line true titrations by feedback-based flow ratiometry. The principle of compensating errors. <i>Analytical Chemistry</i> , 2000 , 72, 4713-20	7.8	30
170	A continuous film-recirculable drop gas-liquid equilibration device. Measurement of trace gaseous ammonia. <i>Analytical Chemistry</i> , 2000 , 72, 3165-70	7.8	26
169	Measurement of atmospheric hydrogen peroxide and hydroxymethyl hydroperoxide with a diffusion scrubber and light emitting diode-liquid core waveguide-based fluorometry. <i>Analytical Chemistry</i> , 2000 , 72, 5338-47	7.8	79
168	Ion chromatographic determination of acidity. <i>Analytical Chemistry</i> , 2000 , 72, 96-100	7.8	16
167	A field-deployable instrument for the measurement and speciation of arsenic in potable water. <i>Analytica Chimica Acta</i> , 1999 , 380, 27-37	6.6	80

166	A planar microelectrodialytic NaOH generator for elute conversion after suppressed conductometric detection in ion chromatography. <i>Analytica Chimica Acta</i> , 1999 , 384, 135-141	6.6	12
165	Effects of separation potential, hydrostatic pressure and auxiliary electroosmotic pumping on a suppressed conductometric capillary electrophoresis separation system. <i>Analytica Chimica Acta</i> , 1999 , 394, 1-12	6.6	11
164	Chemiluminescence detection with a liquid core waveguide: Determination of ammonium with electrogenerated hypochlorite based on the luminol-hypochlorite reaction. <i>Analytica Chimica Acta</i> , 1999 , 398, 33-39	6.6	44
163	Collection of Micrometer and Submicrometer Size Aerosol Particles with a Packed Bead Impactor. <i>Microchemical Journal</i> , 1999 , 62, 50-57	4.8	6
162	Airship Measurements of Hydrogen Peroxide and Related Parameters in the Marine Atmosphere Along the Western U.S. Coast. <i>Microchemical Journal</i> , 1999 , 62, 99-113	4.8	6
161	Improving Resolution in Capillary Zone Electrophoresis through Bulk Flow Control. <i>Microchemical Journal</i> , 1999 , 62, 128-137	4.8	6
160	An affordable high-performance pumping system for gradient capillary liquid chromatography. <i>Journal of Separation Science</i> , 1999 , 11, 299-304		3
159	Wet effluent parallel plate diffusion denuder coupled capillary ion chromatograph for the determination of atmospheric trace gases. <i>Talanta</i> , 1999 , 48, 675-84	6.2	20
158	Optical fiber coupled light emitting diode based absorbance detector with a reflective flow cell. <i>Talanta</i> , 1999 , 50, 481-90	6.2	40
157	Automated Measurement of Lipid Hydroperoxides in Oil and Fat Samples by Flow Injection Photometry. <i>Analytical Chemistry</i> , 1999 , 71, 2053-2058	7.8	21
156	Luminescence detection with a liquid core waveguide. <i>Analytical Chemistry</i> , 1999 , 71, 1400-7	7.8	82
155	Determination of oxidative stability of oils and fats. <i>Analytical Chemistry</i> , 1999 , 71, 1692-8	7.8	42
154	Small-Volume Raman Spectroscopy with a Liquid Core Waveguide. <i>Analytical Chemistry</i> , 1999 , 71, 2934-2938		44
153	Automated particle collection and analysis. Near-real time measurement of aerosol cerium (III). <i>Analytica Chimica Acta</i> , 1998 , 361, 151-159	6.6	7
152	Compact, field-portable capillary ion chromatograph. <i>Journal of Chromatography A</i> , 1998 , 804, 45-54	4.5	40
151	Collection of atmospheric gases in a liquid film suspended on a loop: Determination of formic and acetic acids by exhaustive electromigration injection capillary electrophoresis. <i>Journal of Separation Science</i> , 1998 , 10, 265-271		9
150	Comment on Hydrofluoric Acid in the Southern California Atmosphere. <i>Environmental Science & Technology</i> , 1998 , 32, 427-427	10.3	4
149	A Continuous Monitoring System for Strong Acidity in Aerosols. <i>Analytical Chemistry</i> , 1998 , 70, 2839-2847	7.8	17

148	High-Sensitivity Gas Sensors Based on Gas-Permeable Liquid Core Waveguides and Long-Path Absorbance Detection. <i>Analytical Chemistry</i> , 1998 , 70, 4661-4669	7.8	102
147	Measurement of diffusive flux of ammonia from water. <i>Analytical Chemistry</i> , 1998 , 70, 3656-66	7.8	22
146	Indoor Air Pollution and Sick Building Syndrome. Monitoring Aerosol Protein as a Measure of Bioaerosols. <i>Environmental Science & Technology</i> , 1998 , 32, 1147-1152	10.3	12
145	Oil Field Hydrogen Sulfide in Texas: Emission Estimates and Fate. <i>Environmental Science & Technology</i> , 1997 , 31, 3669-3676	10.3	18
144	Chromatography on water-ice. <i>Analytical Chemistry</i> , 1997 , 69, 4079-81	7.8	5
143	Capillary Ion Chromatography with On-Line High-Pressure Electrodealytic NaOH Eluent Production and Gradient Generation. <i>Analytical Chemistry</i> , 1997 , 69, 1385-91	7.8	36
142	A Multiple Parallel Plate Wetted Screen Diffusion Denuder for High-Flow Air Sampling Applications. <i>Analytical Chemistry</i> , 1997 , 69, 5018-5023	7.8	26
141	A Falling Drop for Sample Injection in Capillary Zone Electrophoresis. <i>Analytical Chemistry</i> , 1997 , 69, 1211-1216	7.8	20
140	Electrochemical sensing of gases based on liquid collection interfaces. <i>Electroanalysis</i> , 1997 , 9, 585-591	3	13
139	A Liquid Drop: What Is It Good For?. <i>Microchemical Journal</i> , 1997 , 57, 127-136	4.8	23
138	An affordable high-performance optical absorbance detector for capillary systems. <i>Analytica Chimica Acta</i> , 1997 , 342, 123-132	6.6	30
137	Liquid chromatographic determination of nitro-substituted polynuclear aromatic hydrocarbons by sequential electrochemical and fluorescence detection. <i>Analytical Chemistry</i> , 1996 , 68, 1226-32	7.8	42
136	Enhancement of Separation Efficiency in Capillary Electrophoresis by Electrostacking without Liquid Contact. <i>Analytical Chemistry</i> , 1996 , 68, 1933-40	7.8	8
135	A pulse amperometric sensor for the measurement of atmospheric hydrogen peroxide. <i>Analytical Chemistry</i> , 1996 , 68, 2062-6	7.8	25
134	Quantitative injection from a microloop. Reproducible volumetric sample introduction in capillary zone electrophoresis. <i>Analytical Chemistry</i> , 1996 , 68, 1164-8	7.8	19
133	Automated System for Chemical Analysis of Airborne Particles Based on Corona-Free Electrostatic Collection. <i>Analytical Chemistry</i> , 1996 , 68, 3638-3644	7.8	12
132	Analytical chemistry in a drop. Solvent extraction in a microdrop. <i>Analytical Chemistry</i> , 1996 , 68, 1817-21	7.8	619
131	An electrostatic micro-collection interface for aerosol collection. Automated ion Chromatographic analysis of aerosols. <i>Talanta</i> , 1996 , 43, 1681-8	6.2	5

130	Electromigration injection from a small loop in capillary electrophoresis. <i>Analytical Chemistry</i> , 1996 , 68, 4291-9	7.8	26
129	Direct coupling of ion chromatography with suppressed conductometric capillary electrophoresis. <i>Journal of Separation Science</i> , 1996 , 8, 561-568		11
128	A liquid drop: A windowless optical cell and a reactor without walls for flow injection analysis. <i>Analytica Chimica Acta</i> , 1996 , 326, 13-22	6.6	47
127	Measurement of phenols on a loop-supported liquid film by micellar electrokinetic chromatography and direct UV detection. <i>Journal of Chromatography A</i> , 1996 , 739, 379-87	4.5	9
126	Analytical Chemistry in a Liquid Film/Droplet. <i>Analytical Chemistry</i> , 1995 , 67, 2562-2566	7.8	69
125	Design and development of a system to measure ambient levels of hydrogen sulfide and lower mercaptans from a mobile platform. <i>Atmospheric Environment</i> , 1995 , 29, 1291-1298	5.3	18
124	Artifact peroxides produced during cryogenic sampling of ambient air. <i>Geophysical Research Letters</i> , 1995 , 22, 2605-2608	4.9	12
123	Continuous Automated Measurement of the Soluble Fraction of Atmospheric Particulate Matter. <i>Analytical Chemistry</i> , 1995 , 67, 71-78	7.8	103
122	Two-Dimensional Conductometric Detection in Ion Chromatography. Analyte Identification, Quantitation of Very Weak Acid Anions, and Universal Calibration. <i>Analytical Chemistry</i> , 1995 , 67, 2110-2118	7.8	17
121	Liquid Droplet. A Renewable Gas Sampling Interface. <i>Analytical Chemistry</i> , 1995 , 67, 2042-2049	7.8	182
120	A Renewable Liquid Droplet as a Sampler and a Windowless Optical Cell. Automated Sensor for Gaseous Chlorine. <i>Analytical Chemistry</i> , 1995 , 67, 4221-4228	7.8	74
119	Measurement of Gases by a Suppressed Conductometric Capillary Electrophoresis Separation System. <i>Analytical Chemistry</i> , 1995 , 67, 3853-3860	7.8	52
118	Continuous automated measurement of gaseous nitrous and nitric acids and particulate nitrite and nitrate. <i>Environmental Science & Technology</i> , 1995 , 29, 1534-41	10.3	97
117	Electroosmotically pumped capillary format sequential injection analysis with a membrane sampling interface for gaseous analytes. <i>Analytica Chimica Acta</i> , 1995 , 308, 281-285	6.6	16
116	Fast voltammetric sensors for the measurement of soil water activity. <i>Electroanalysis</i> , 1995 , 7, 626-632	3	2
115	Flow-injection extraction without phase separation based on dual-wavelength spectrophotometry. <i>Analytica Chimica Acta</i> , 1994 , 288, 237-245	6.6	42
114	Dual-wavelength photometry with light emitting diodes. Compensation of refractive index and turbidity effects in flow-injection analysis. <i>Analytica Chimica Acta</i> , 1994 , 289, 347-353	6.6	38
113	Continuous Automated Determination of Atmospheric Formaldehyde at the Parts Per Trillion Level. <i>Analytical Chemistry</i> , 1994 , 66, 551-556	7.8	71

112	Sequential injection analysis in capillary format with an electroosmotic pump. <i>Talanta</i> , 1994 , 41, 1903-1906.	6.2	19
111	Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis. <i>Analytical Chemistry</i> , 1994 , 66, 1792-1798	7.8	109
110	Measurement of Carbonyl Compounds as the 2,4-Dinitrophenylhydrazonate Anion. Reaction Mechanism and an Automated Measurement System. <i>Analytical Chemistry</i> , 1994 , 66, 1965-1970	7.8	21
109	Auxiliary Electroosmotic Pumping in Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1994 , 66, 3060-3065.	7.8	29
108	Computer-Interfaced Bipolar Pulse Conductivity Detector for Capillary Systems. <i>Analytical Chemistry</i> , 1994 , 66, 2537-2543	7.8	36
107	Concentration and Optical Measurement of Aqueous Analytes in an Organic Solvent Segmented Capillary under High Electric Field. <i>Analytical Chemistry</i> , 1994 , 66, 3997-4004	7.8	4
106	Suppressed conductometric capillary electrophoresis separation systems. <i>Analytical Chemistry</i> , 1993 , 65, 1003-1011	7.8	89
105	Two-dimensional conductometric detection in ion chromatography: sequential suppressed and single column detection. <i>Analytical Chemistry</i> , 1993 , 65, 1192-1198	7.8	27
104	Wet effluent denuder coupled liquid/ion chromatography systems: annular and parallel plate denuders. <i>Analytical Chemistry</i> , 1993 , 65, 1134-1139	7.8	92
103	Comparison of photometry and conductometry for the determination of total carbonate by gas permeation flow injection analysis. <i>Talanta</i> , 1993 , 40, 831-40	6.2	19
102	Spectrophotometric determination of H ₂ O ₂ with 1-anilinonaphthalene-8-sulfonic acid and 4-aminoantipyrine with hematin as catalyst. <i>Talanta</i> , 1993 , 40, 981-8	6.2	8
101	High performance optical absorbance detectors based on low noise switched integrators. <i>Talanta</i> , 1993 , 40, 1331-8	6.2	22
100	Automated Measurement of Atmospheric Trace Gases. <i>Advances in Chemistry Series</i> , 1993 , 41-90		44
99	Analyte identification in ion chromatography Electromigration governed chronoamperometric profiles. <i>Analytica Chimica Acta</i> , 1993 , 284, 27-36	6.6	2
98	Electroosmotically pumped capillary flow-injection analysis. <i>Analytica Chimica Acta</i> , 1993 , 283, 739-745	6.6	41
97	A simple means to increase absorbance detection sensitivity in capillary zone electrophoresis. <i>Analytica Chimica Acta</i> , 1993 , 283, 747-753	6.6	24
96	Hematin as a peroxidase substitute in hydrogen peroxide determinations. <i>Analytical Chemistry</i> , 1992 , 64, 517-22	7.8	175
95	Flow injection and solvent extraction with intelligent segment separation. Determination of quaternary ammonium ions by ion-pairing. <i>Talanta</i> , 1992 , 39, 101-11	6.2	17

94	Membrane interfaces for sample introduction in capillary zone electrophoresis. <i>Analytical Chemistry</i> , 1992 , 64, 991-996	7.8	50
93	Voltammetric sensor for determination of water in liquids. <i>Analytical Chemistry</i> , 1992 , 64, 2406-12	7.8	8
92	Two-dimensional conductometric detection in ion chromatography. Postsuppressor conversion of eluite acids to a salt. <i>Analytical Chemistry</i> , 1992 , 64, 3007-3012	7.8	17
91	Selective determination of gases by two-stage membrane-differentiated flow injection analysis. Determination of trace hydrogen cyanide in the presence of large concentrations of hydrogen sulfide. <i>Analytical Chemistry</i> , 1992 , 64, 1106-1112	7.8	19
90	Nitroprusside and methylene blue methods for silicone membrane differentiated flow injection determination of sulfide in water and wastewater. <i>Analytical Chemistry</i> , 1992 , 64, 36-43	7.8	89
89	Determination of gaseous hydrogen peroxide at parts per trillion levels a Nafion membrane scrubber and a single-line flow-injection system. <i>Analytica Chimica Acta</i> , 1992 , 260, 57-64	6.6	22
88	Flow-injection analysis in the capillary format using electroosmotic pumping. <i>Analytica Chimica Acta</i> , 1992 , 268, 1-6	6.6	48
87	Determination of hydrogen peroxide by photoinduced fluorogenic reactions. <i>Analytica Chimica Acta</i> , 1991 , 243, 207-216	6.6	40
86	Effects of alternating electric fields on transport through ion exchange membranes. <i>Electroanalysis</i> , 1991 , 3, 783-792	3	
85	Electrodialytic production of gas-free sodium hydroxide based on Donnan breakdown. <i>Journal of Membrane Science</i> , 1991 , 57, 321-336	9.6	24
84	Automated determination of total phosphorus in aqueous samples. <i>Talanta</i> , 1991 , 38, 133-7	6.2	5
83	Perfluorosulfonate ionomer-phosphorus pentoxide composite thin films as amperometric sensors for water. <i>Analytical Chemistry</i> , 1991 , 63, 1570-1573	7.8	15
82	Simultaneous photometric flow-injection determination of sulfide, polysulfide, sulfite, thiosulfate, and sulfate. <i>Analytical Chemistry</i> , 1991 , 63, 427-432	7.8	48
81	Measurement of ambient nitrous acid and a reliable calibration source for gaseous nitrous acid. <i>Environmental Science & Technology</i> , 1991 , 25, 255-260	10.3	60
80	Electrodialytic eluent production and gradient generation in ion chromatography. <i>Analytical Chemistry</i> , 1991 , 63, 480-486	7.8	51
79	Two-dimensional conductometric detection in ion chromatography. Postsuppressor conversion of eluite acids to a base. <i>Analytical Chemistry</i> , 1991 , 63, 2175-2183	7.8	13
78	Wet effluent denuder coupled liquid/ion chromatography systems. <i>Analytical Chemistry</i> , 1991 , 63, 1237-1242	7.8	59
77	Measurement of atmospheric nitric and nitrous acids with a wet effluent diffusion denuder and low-pressure ion chromatography-postcolumn reaction detection. <i>Analytical Chemistry</i> , 1991 , 63, 2210-2216	7.8	55

76	Design of a straight inlet diffusion scrubber. Comparison of particle transmission with other collection devices and characterization for the measurement of hydrogen peroxide and formaldehyde. <i>Atmospheric Environment Part A General Topics</i> , 1991 , 25, 2717-2729		19
75	Diffusion Scrubber-Based Field Measurements of Atmospheric Formaldehyde and Hydrogen Peroxide. <i>Aerosol Science and Technology</i> , 1990 , 12, 98-104	3.4	23
74	Measurement of acid dissociation constants of weak acids by cation exchange and conductometry. <i>Analytical Chemistry</i> , 1990 , 62, 1117-1122	7.8	10
73	Determination of urinary mercury with an automated micro batch analyzer. <i>Analytical Chemistry</i> , 1990 , 62, 85-8	7.8	4
72	Amperometric microsensor for water. <i>Analytical Chemistry</i> , 1990 , 62, 1935-1942	7.8	29
71	An airborne test of three sulfur dioxide measurement techniques. <i>Atmospheric Environment Part A General Topics</i> , 1990 , 24, 1903-1908		11
70	Kinetic approach to the measurement of chemical oxygen demand with an automated micro batch analyzer. <i>Analytical Chemistry</i> , 1990 , 62, 395-402	7.8	19
69	Measurement of mercaptans in gasoline. <i>Mikrochimica Acta</i> , 1989 , 99, 35-41	5.8	2
68	Multicomponent determinations by a membrane-discriminated gas phase analyzer and successive regression in the fiduciary region. <i>Journal of Chemometrics</i> , 1989 , 3, 601-608	1.6	1
67	Inexpensive automated electropneumatic syringe dispenser. <i>Analytica Chimica Acta</i> , 1989 , 221, 189-193	6.6	1
66	Solvent extraction in continuous flow systems with intelligent zone sampling. <i>Analytica Chimica Acta</i> , 1989 , 222, 255-269	6.6	3
65	Determination of sulfide and mercaptans in caustic scrubbing liquor. <i>Analytica Chimica Acta</i> , 1989 , 226, 165-170	6.6	34
64	An air-carrier continuous analysis system. <i>Talanta</i> , 1989 , 36, 49-61	6.2	11
63	Determination of total mercury in water and urine by a gold film sensor following Fenton's reagent digestion. <i>Analytical Chemistry</i> , 1989 , 61, 1230-5	7.8	30
62	Sorbent isolation and elution with an immiscible eluent in flow injection analysis. <i>Analytical Chemistry</i> , 1989 , 61, 496-499	7.8	8
61	Identification of ions in anion chromatography by stopped flow chronoamperometry. <i>Analytical Chemistry</i> , 1989 , 61, 1387-1392	7.8	5
60	Inlet pressure effects on the collection efficiency of diffusion scrubbers. <i>Environmental Science & Technology</i> , 1989 , 23, 895-897	10.3	9
59	Direct current conductivity detection in ion chromatography. <i>Analytical Chemistry</i> , 1989 , 61, 1383-1387	7.8	14

58	Measurement of atmospheric ammonia. <i>Environmental Science & Technology</i> , 1989 , 23, 1467-1474	10.3	72
57	Electrodialytic membrane suppressor for ion chromatography. <i>Analytical Chemistry</i> , 1989 , 61, 939-945	7.8	47
56	Fluorometric measurement of aqueous ammonium ion in a flow injection system. <i>Analytical Chemistry</i> , 1989 , 61, 408-412	7.8	140
55	Measurement of atmospheric sulfur dioxide by diffusion scrubber coupled ion chromatography. <i>Analytical Chemistry</i> , 1989 , 61, 19-24	7.8	38
54	Measurement of Trace Levels of Atmospheric Sulfur Dioxide with a Gold Film Sensor. <i>Japca</i> , 1989 , 39, 975-980		4
53	Selective detection approach to ion exclusion chromatography. <i>Analytical Chemistry</i> , 1989 , 61, 548-554	7.8	19
52	Two Automated Methods for Measuring Trace Levels of Sulfur Dioxide Using Translation Reactions. <i>ACS Symposium Series</i> , 1989 , 380-401	0.4	
51	Applications of in situ detection with an auto-mated micro batch analyzer. <i>Analytica Chimica Acta</i> , 1988 , 214, 107-120	6.6	29
50	Pulsed reagent introduction through a membrane reactor for flow-injection systems. <i>Analytica Chimica Acta</i> , 1988 , 215, 277-282	6.6	7
49	Continuous liquid-phase fluorometry coupled to a diffusion scrubber for the real-time determination of atmospheric formaldehyde, hydrogen peroxide and sulfur dioxide. <i>Atmospheric Environment</i> , 1988 , 22, 949-963		95
48	Comparison of techniques for measurement of ambient levels of hydrogen peroxide. <i>Environmental Science & Technology</i> , 1988 , 22, 53-61	10.3	46
47	Novel automated micro batch analyzer. <i>Review of Scientific Instruments</i> , 1988 , 59, 2609-2615	1.7	6
46	A Diffusion Scrubber for the Collection of Gaseous Nitric Acid. <i>Separation Science and Technology</i> , 1987 , 22, 1255-1267	2.5	27
45	Positive-signal indirect fluorometric detection in ion chromatography. <i>Analytical Chemistry</i> , 1987 , 59, 1362-1364	7.8	9
44	Tubular microporous membrane entrapped enzyme reactors for flow injection analysis. <i>Analytical Chemistry</i> , 1987 , 59, 1356-1360	7.8	10
43	Fluorescence properties of metal complexes of 8-hydroxyquinoline-5-sulfonic acid and chromatographic applications. <i>Analytical Chemistry</i> , 1987 , 59, 629-636	7.8	325
42	Fast fluorometric flow injection analysis of formaldehyde in atmospheric water. <i>Environmental Science & Technology</i> , 1987 , 21, 581-8	10.3	100
41	Metal Ion Chromatography with Fluorescence Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1987 , 10, 3287-3319		22

40	High sensitivity optical detection methods in hydroxide eluent suppressed anion chromatography via postsuppression ion exchange. <i>Analytical Chemistry</i> , 1987 , 59, 1963-1969	7.8	12
39	Optical cells with partially reflecting windows as nonlinear absorbance amplifiers. <i>Analytical Chemistry</i> , 1987 , 59, 783-786	7.8	15
38	Performance of annular membrane and screen-tee reactors for postcolumn-reaction detection of metal ions separated by liquid chromatography. <i>Analytical Chemistry</i> , 1987 , 59, 85-90	7.8	26
37	Gradient anion chromatography with hydroxide and carbonate eluents using simultaneous conductivity and pH detection. <i>Analytical Chemistry</i> , 1987 , 59, 802-808	7.8	31
36	Versatile instrument for pulse width measurement. <i>Analytical Chemistry</i> , 1986 , 58, 507-509	7.8	5
35	Enhancement and quenching of fluorescence of metal chelates of 8-hydroxyquinoline-5-sulfonic acid. <i>Mikrochimica Acta</i> , 1986 , 88, 207-220	5.8	19
34	Solubility of gaseous formaldehyde in liquid water and generation of trace standard gaseous formaldehyde. <i>Environmental Science & Technology</i> , 1986 , 20, 637-40	10.3	108
33	Porous membrane-based diffusion scrubber for the sampling of atmospheric gases. <i>Analyst, The</i> , 1986 , 111, 87	5	34
32	Trace determination of aqueous sulfite, sulfide and methanethiol by fluorometric flow injection analysis. <i>Analytical Chemistry</i> , 1986 , 58, 2839-2844	7.8	26
31	Quantitative study of chemical equilibria by flow injection analysis with diode array detection. <i>Analytical Chemistry</i> , 1986 , 58, 326-330	7.8	22
30	Fluorometric flow injection determination of aqueous peroxides at nanomolar level using membrane reactors. <i>Analytical Chemistry</i> , 1986 , 58, 1521-1524	7.8	78
29	Membrane-based flow injection system for determination of sulfur(IV) in atmospheric water. <i>Environmental Science & Technology</i> , 1986 , 20, 524-6	10.3	8
28	An annular dual-membrane continuous cation exchanger packed with ion exchange resin. <i>Journal of Membrane Science</i> , 1986 , 27, 31-40	9.6	8
27	Ion penetration through tubular ion exchange membranes. <i>Analytical Chemistry</i> , 1985 , 57, 253-257	7.8	24
26	Studies on peak width measurement-based FIA acid-base determinations. <i>Mikrochimica Acta</i> , 1985 , 87, 49-64	5.8	11
25	Flow injection analysis of trace hydrogen peroxide using an immobilized enzyme reactor. <i>Mikrochimica Acta</i> , 1985 , 87, 77-87	5.8	7
24	Determination of acids, bases, metal ions and redox species by peak width measurement flow injection analysis with potentiometric, conductometric, fluorometric and spectrophotometric detection. <i>Mikrochimica Acta</i> , 1985 , 87, 107-122	5.8	7
23	Fluorimetric determination of trace hydrogen peroxide in water with a flow injection system. <i>Analytica Chimica Acta</i> , 1985 , 170, 347-352	6.6	36

22	Spectrophotometric determination of trace aqueous sulfate using barium-beryllon II. <i>Mikrochimica Acta</i> , 1985 , 85, 313-324	5.8	3
21	Dual Membrane Annular Helical Suppressors in Ion Chromatography. <i>Analytical Chemistry</i> , 1985 , 57, 484-489	7.8	12
20	Application of a nested loop system for the flow injection analysis of trace aqueous peroxides. <i>Analytical Chemistry</i> , 1985 , 57, 1009-1012	7.8	40
19	Thermodynamics of the hydrogen peroxide-water system. <i>Environmental Science & Technology</i> , 1985 , 19, 255-8	10.3	70
18	Viscosity Detection with a Pulseless PUMP for Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1984 , 7, 2367-2382		3
17	A diffusion scrubber for the collection of atmospheric gases. <i>Atmospheric Environment</i> , 1984 , 18, 1593-1599		47
16	Microtitration of Sulfate with Beryllon II as indicator: Determination of sulfate in environmental samples. <i>Mikrochimica Acta</i> , 1984 , 83, 159-168	5.8	2
15	Annular helical suppressor for ion chromatography. <i>Analytical Chemistry</i> , 1984 , 56, 103-105	7.8	34
14	Ion chromatographic separation of anions with ion interaction reagents and an annular helical suppressor. <i>Analytical Chemistry</i> , 1984 , 56, 769-772	7.8	18
13	Multipath cells for extending dynamic range of optical absorbance measurements. <i>Analytical Chemistry</i> , 1984 , 56, 1401-1403	7.8	37
12	Linear and helical flow in a perfluorosulfonate membrane of annular geometry as a continuous cation exchanger. <i>Analytical Chemistry</i> , 1984 , 56, 96-103	7.8	19
11	A Self-Coupling Diazotizing Reagent for Nitrite. <i>Analytical Letters</i> , 1984 , 17, 1005-1008	2.2	7
10	Fluorometric determination of atmospheric sulfur dioxide without tetrachloromercurate(II). <i>Analytical Chemistry</i> , 1981 , 53, 2084-2087	7.8	14
9	Determination of atmospheric sulfur dioxide without tetrachloromercurate(II) and the mechanism of the Schiff reaction. <i>Analytical Chemistry</i> , 1980 , 52, 1912-1922	7.8	121
8	Generation and characterization of sodium sulfite aerosols for applications in inhalation toxicologic research. <i>AIHA Journal</i> , 1980 , 41, 660-5		14
7	Study of bisulfite and metabisulfite aerosol generation systems. <i>AIHA Journal</i> , 1980 , 41, 666-71		7
6	A personal chlorine monitor utilizing permeation sampling. <i>Environmental Science & Technology</i> , 1979 , 13, 1090-1093	10.3	14
5	Structure elucidation of polynitrated 2-aminoperimidines. <i>Journal of Organic Chemistry</i> , 1979 , 44, 2582-2585	5.8	3

4	A ring oven method for the determination of sulfate at nanogram levels. <i>Mikrochimica Acta</i> , 1978 , 70, 505-510	5.8	5
3	Spectrophotometric determination of trace sulfate in water. <i>Analytical Chemistry</i> , 1978 , 50, 1793-1795	7.8	8
2	The polarographic reduction of some dinitroaniline herbicides. <i>Analytica Chimica Acta</i> , 1976 , 82, 29-35	6.6	12
1	Electroosmosis-Driven Flow Analysis127-148		1