

Purnendu K Dasgupta

List of Publications by Year
in descending order

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384
papers

14,981
citations

20817
60
h-index

36028
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388
docs citations

388
times ranked

8599
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape-Based Peak Identity Confirmation in Liquid Chromatography. <i>Analytical Chemistry</i> , 2021, 93, 3848-3856.	6.5	1
2	Automated Programmable Generation of Broad pH Range Volatile Ionic Eluents for Liquid Chromatography. <i>Analytical Chemistry</i> , 2021, 93, 5442-5450.	6.5	3
3	Gradient nanopump based suppressed ion chromatography using PEEK open tubular columns. <i>Talanta Open</i> , 2021, 3, 100029.	3.7	8
4	Moldable capillary suppressor for open tubular ion chromatography based on a polymeric ion exchanger.. <i>Talanta Open</i> , 2021, 4, 100062.	3.7	3
5	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.	3.7	2
6	Moldable Strong Cation Exchange Polymer and Microchannel Fabrication. <i>Analytical Chemistry</i> , 2020, 92, 13378-13386.	6.5	5
7	Nanovolume Gas-Free Hydroxide Eluent Generator for Open Tubular Ion Chromatography. <i>Analytical Chemistry</i> , 2020, 92, 5561-5568.	6.5	13
8	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.	6.5	10
9	Attenuation Coefficients of Tubular Conduits for Liquid Phase Absorbance Measurement: Shot Noise Limited Optimum Path Length. <i>Analytical Chemistry</i> , 2019, 91, 9481-9489.	6.5	6
10	Time-of-Sight Liquid Flow Measurements in the Low Nanoliters per Minute Scale. <i>Analytical Chemistry</i> , 2019, 91, 14332-14339.	6.5	6
11	Ion exchange membranes in ion chromatography and related applications. <i>Talanta</i> , 2019, 204, 89-137.	5.5	24
12	Inline flow sensor for ventriculoperitoneal shunts: Experimental evaluation in swine. <i>Medical Engineering and Physics</i> , 2019, 67, 66-72.	1.7	6
13	Carbonic Acid Eluent Ion Chromatography. <i>Analytical Chemistry</i> , 2019, 91, 3636-3644.	6.5	9
14	Direct Photothermal Measurement of Optical Absorption in a Flow System. <i>Analytical Chemistry</i> , 2019, 91, 2923-2931.	6.5	8
15	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.	3.7	9
16	Flow-Cell-Induced Dispersion in Flow-through Absorbance Detection Systems: True Column Effluent Peak Variance. <i>Analytical Chemistry</i> , 2018, 90, 2063-2069.	6.5	12
17	Continuous measurement of elemental composition of ambient aerosol by induction-coupled plasma mass spectrometry. <i>Talanta</i> , 2018, 177, 197-202.	5.5	6
18	Capillary Scale Admittance and Conductance Detection. <i>Analytical Chemistry</i> , 2018, 90, 14561-14568.	6.5	14

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19	Characterization of ion exchange functionalized cyclic olefin polymer open tubular columns. <i>Analytica Chimica Acta</i> , 2018, 1036, 187-194.	5.4	8
20	Low-Bleed Silica-Based Stationary Phase for Hydrophilic Interaction Liquid Chromatography. <i>Analytical Chemistry</i> , 2018, 90, 8750-8755.	6.5	32
21	Width Based Quantitation of Chromatographic Peaks: Principles and Principal Characteristics. <i>Analytical Chemistry</i> , 2017, 89, 3884-3892.	6.5	11
22	Width Based Characterization of Chromatographic Peaks: Beyond Height and Area. <i>Analytical Chemistry</i> , 2017, 89, 3893-3900.	6.5	8
23	Automated programmable pressurized carbonic acid eluent ion exclusion chromatography of organic acids. <i>Journal of Chromatography A</i> , 2017, 1523, 300-308.	3.7	10
24	Automated Programmable Preparation of Carbonate-Bicarbonate Eluents for Ion Chromatography with Pressurized Carbon Dioxide. <i>Analytical Chemistry</i> , 2017, 89, 10063-10070.	6.5	12
25	Admittance Scanning for Whole Column Detection. <i>Analytical Chemistry</i> , 2017, 89, 7203-7209.	6.5	9
26	Inline Shunt Flow Monitor for Hydrocephalus. <i>Analytical Chemistry</i> , 2017, 89, 8170-8176.	6.5	7
27	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.	5.5	27
28	Poly(vinyl alcohol) Modified Porous Graphitic Carbon Stationary Phase for Hydrophilic Interaction Liquid Chromatography. <i>Analytical Chemistry</i> , 2016, 88, 4676-4681.	6.5	47
29	Permeative Amine Introduction for Very Weak Acid Detection in Ion Chromatography. <i>Analytical Chemistry</i> , 2016, 88, 2198-2204.	6.5	12
30	Electrodialytic Capillary Suppressor for Open Tubular Ion Chromatography. <i>Analytical Chemistry</i> , 2016, 88, 12021-12027.	6.5	19
31	Functionalized Cycloolefin Polymer Capillaries for Open Tubular Ion Chromatography. <i>Analytical Chemistry</i> , 2016, 88, 12013-12020.	6.5	22
32	Conductometric Gradient Ion Exclusion Chromatography for Volatile Fatty Acids. <i>Analytical Chemistry</i> , 2016, 88, 12323-12329.	6.5	4
33	Water ICE: Ion Exclusion Chromatography of Very Weak Acids with a Pure Water Eluent. <i>Analytical Chemistry</i> , 2016, 88, 4965-4970.	6.5	10
34	Evaluation of Amount of Blood in Dry Blood Spots: Ring-Disk Electrode Conductometry. <i>Analytical Chemistry</i> , 2016, 88, 6531-6537.	6.5	25
35	Transient Ion-Pair Separations for Electrospray Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 2059-2064.	6.5	3
36	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.	5.4	75

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37	Comment on "Rapid visual detection of blood cyanide" by C. MÃnnel-CroisÃ© and F. Zelder, Analytical Methods, 2012, 4, 2632. Analytical Methods, 2015, 7, 5707-5711.	2.7	1
38	Mixing Characteristics of Mixers in Flow Analysis. Application to Two-Dimensional Detection in Ion Chromatography. Analytical Chemistry, 2015, 87, 793-800.	6.5	12
39	Nonlinear Absorbance Amplification Using a Diffuse Reflectance Cell: Total Organic Carbon Monitoring at 214 nm. Analytical Chemistry, 2015, 87, 1111-1117.	6.5	6
40	Concurrent High-Sensitivity Conductometric Detection of Volatile Weak Acids in a Suppressed Anion Chromatography System. Analytical Chemistry, 2015, 87, 8342-8346.	6.5	13
41	Micro Ion Extractor for Single Drop Whole Blood Analysis. Analytical Chemistry, 2015, 87, 6483-6486.	6.5	10
42	Enigmatic Ion-Exchange Behavior of <i>myo</i> -Inositol Phosphates. Analytical Chemistry, 2015, 87, 4851-4855.	6.5	7
43	Simultaneous Electrodialytic Preconcentration and Speciation of Chromium(III) and Chromium(VI). Analytical Chemistry, 2015, 87, 11575-11580.	6.5	40
44	Electrodialytic matrix isolation for metal cations. Talanta, 2015, 132, 228-233.	5.5	15
45	On-line electrodialytic matrix isolation for chromatographic determination of organic acids in wine. Journal of Chromatography A, 2014, 1372, 18-24.	3.7	32
46	Admittance Detector for High Impedance Systems: Design and Applications. Analytical Chemistry, 2014, 86, 11547-11553.	6.5	42
47	What Can <i>In Situ</i> Ion Chromatography Offer for Mars Exploration?. Astrobiology, 2014, 14, 577-588.	3.0	11
48	Capillary Scale Admittance Detection. Analytical Chemistry, 2014, 86, 11538-11546.	6.5	44
49	An Open Tubular Ion Chromatograph. Analytical Chemistry, 2014, 86, 11554-11561.	6.5	33
50	Expanding the linear dynamic range for quantitative liquid chromatography-high resolution mass spectrometry utilizing natural isotopologue signals. Analytica Chimica Acta, 2014, 850, 65-70.	5.4	19
51	Formaldehyde Content of Atmospheric Aerosol. Environmental Science & Technology, 2014, 48, 6636-6643.	10.0	37
52	Speciation and detection of arsenic in aqueous samples: A review of recent progress in non-atomic spectrometric methods. Analytica Chimica Acta, 2014, 831, 1-23.	5.4	146
53	Electrochemical Arsine Generators for Arsenic Determination. Analytical Chemistry, 2014, 86, 7705-7711.	6.5	18
54	Cavity-Enhanced Absorption Measurements Across Broad Absorbance and Reflectivity Ranges. Analytical Chemistry, 2014, 86, 3727-3734.	6.5	9

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55	Light-Emitting Diodes for Analytical Chemistry. Annual Review of Analytical Chemistry, 2014, 7, 183-207.	5.4	100
56	Relative source contributions for perchlorate exposures in a lactating human cohort. Science of the Total Environment, 2013, 443, 939-943.	8.0	12
57	Tutorial: Simulating chromatography with Microsoft Excel Macros. Analytica Chimica Acta, 2013, 773, 1-8.	5.4	12
58	A disposable blood cyanide sensor. Analytica Chimica Acta, 2013, 768, 129-135.	5.4	46
59	Anion Composition of A ⁺ Extracts. Journal of Agricultural and Food Chemistry, 2013, 61, 5928-5935.	5.2	5
60	Polymethylmethacrylate Open Tubular Ion Exchange Columns: Nondestructive Measurement of Very Small Ion Exchange Capacities. Analytical Chemistry, 2013, 85, 7994-8000.	6.5	18
61	Confeito-like assembly of organosilicate-caged fluorophores: ultrabright suprananoparticles for fluorescence imaging. Nanotechnology, 2012, 23, 175601.	2.6	11
62	Iron(III) Modification of <i>Bacillus subtilis</i> Membranes Provides Record Sorption Capacity for Arsenic and Endows Unusual Selectivity for As(V). Environmental Science & Technology, 2012, 46, 2251-2256.	10.0	60
63	Breastfed Infants Metabolize Perchlorate. Environmental Science & Technology, 2012, 46, 5151-5159.	10.0	10
64	Electrodialytic Membrane Suppressors for Ion Chromatography Make Programmable Buffer Generators. Analytical Chemistry, 2012, 84, 67-75.	6.5	10
65	Automated on-line preconcentration of trace aqueous mercury with gold trap focusing for cold vapor atomic absorption spectrometry. Talanta, 2012, 99, 1040-1045.	5.5	21
66	pH- and Concentration-Programmable Electrodialytic Buffer Generator. Analytical Chemistry, 2012, 84, 59-66.	6.5	11
67	Cobinamide chemistries for photometric cyanide determination. A merging zone liquid core waveguide cyanide analyzer using cyanoaquacobinamide. Analytica Chimica Acta, 2012, 736, 78-84.	5.4	40
68	Characterization of a constant current charge detector. Talanta, 2012, 102, 44-52.	5.5	4
69	A Capacitance Sensor for Water: Trace Moisture Measurement in Gases and Organic Solvents. Analytical Chemistry, 2012, 84, 8891-8897.	6.5	57
70	Electrodialytic Ion Isolation for Matrix Removal. Analytical Chemistry, 2012, 84, 5421-5426.	6.5	27
71	Perchlorate, iodine supplements, iodized salt and breast milk iodine content. Science of the Total Environment, 2012, 420, 73-78.	8.0	32
72	Resolving DNA in free solution. TrAC - Trends in Analytical Chemistry, 2012, 35, 122-134.	11.4	13

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73	Thiolated eggshell membranes sorb and speciate inorganic selenium. <i>Analyst</i> , The, 2011, 136, 83-89.	3.5	24
74	Rapid Point of Care Analyzer for the Measurement of Cyanide in Blood. <i>Analytical Chemistry</i> , 2011, 83, 4319-4324.	6.5	41
75	Fenton Digestion of Milk for Iodinalysis. <i>Analytical Chemistry</i> , 2011, 83, 8300-8307.	6.5	13
76	Rapid Nondestructive Spectrometric Measurement of Temperature-Dependent Gas-Liquid Solubility Equilibria. <i>Analytical Chemistry</i> , 2011, 83, 1157-1161.	6.5	1
77	Flow Batteries for Microfluidic Networks: Configuring An Electroosmotic Pump for Nonterminal Positions. <i>Analytical Chemistry</i> , 2011, 83, 2430-2433.	6.5	24
78	On-Line Electrodialytic Salt Removal in Electrospray Ionization Mass Spectrometry of Proteins. <i>Analytical Chemistry</i> , 2011, 83, 1015-1021.	6.5	36
79	Multilayer chitosan-based open tubular capillary anion exchange column with integrated monolithic capillary suppressor. <i>Analytica Chimica Acta</i> , 2011, 707, 210-217.	5.4	19
80	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, 307-310.	5.5	43
81	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, 9378-9383.	6.5	23
82	Controlled porosity monolithic material as permselective ion exchange membranes. <i>Analytica Chimica Acta</i> , 2011, 689, 155-159.	5.4	16
83	Review of analytical methods for the quantification of iodine in complex matrices. <i>Analytica Chimica Acta</i> , 2011, 702, 16-36.	5.4	117
84	Gas collection efficiency of annular denuders: A spreadsheet-based calculator. <i>Analytica Chimica Acta</i> , 2010, 664, 56-61.	5.4	15
85	A simple inexpensive gas phase chemiluminescence analyzer for measuring trace levels of arsenic in drinking water. <i>Environmental Pollution</i> , 2010, 158, 252-257.	7.5	16
86	Variations and sources of ambient formaldehyde for the 2008 Beijing Olympic games. <i>Atmospheric Environment</i> , 2010, 44, 2632-2639.	4.1	79
87	Recent developments in cyanide detection: A review. <i>Analytica Chimica Acta</i> , 2010, 673, 117-125.	5.4	318
88	Temperature Dependence of Henry's Law Constant for Hydrogen Cyanide. Generation of Trace Standard Gaseous Hydrogen Cyanide. <i>Environmental Science & Technology</i> , 2010, 44, 3028-3034.	10.0	16
89	Black Box Linearization for Greater Linear Dynamic Range: The Effect of Power Transforms on the Representation of Data. <i>Analytical Chemistry</i> , 2010, 82, 10143-10150.	6.5	23
90	Cobinamide-Based Cyanide Analysis by Multiwavelength Spectrometry in a Liquid Core Waveguide. <i>Analytical Chemistry</i> , 2010, 82, 6244-6250.	6.5	44

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91	Electrodialytic Reagent Introduction in Flow Systems. Analytical Chemistry, 2010, 82, 3981-3984.	6.5	10
92	Measurement of Nitrophenols in Rain and Air by Two-Dimensional Liquid Chromatography~Chemically Active Liquid Core Waveguide Spectrometry. Analytical Chemistry, 2010, 82, 5838-5843.	6.5	31
93	Doped Soap Membranes Selectively Permeate a Chiral Isomer. Journal of the American Chemical Society, 2010, 132, 18045-18047.	13.7	12
94	Semicontinuous Automated Measurement of Organic Carbon in Atmospheric Aerosol Samples. Analytical Chemistry, 2010, 82, 1334-1341.	6.5	3
95	Charge Detector for the Measurement of Ionic Solutes. Analytical Chemistry, 2010, 82, 951-958.	6.5	23
96	Free Solution Hydrodynamic Separation of DNA Fragments from 75 to 106~000 Base Pairs in A Single Run. Journal of the American Chemical Society, 2010, 132, 40-41.	13.7	50
97	A cold plasma dielectric barrier discharge atomic emission detector for atmospheric mercury. Talanta, 2010, 81, 1109-1115.	5.5	27
98	Miniature open channel scrubbers for gas collection. Talanta, 2010, 82, 1870-1875.	5.5	17
99	Green Analyzer for the Measurement of Total Arsenic in Drinking Water: Electrochemical Reduction of Arsenate to Arsine and Gas Phase Chemiluminescence with Ozone. Analytical Chemistry, 2010, 82, 3467-3473.	6.5	37
100	Novel nanostructured platform and nanoparticles for sensitive detection of biological materials. , 2010, , .		1
101	Perchlorate: a cause for iodine deficiency?. Environmental Chemistry, 2009, 6, 7.	1.5	7
102	Entropy driven spontaneous formation of highly porous films from polymer~nanoparticle composites. Nanotechnology, 2009, 20, 425602.	2.6	24
103	A permeable membrane capacitance sensor for ionogenic gases. Analytica Chimica Acta, 2009, 652, 245-250.	5.4	19
104	A multifunctional dual membrane electrodialytic eluent generator for capillary ion chromatography. Journal of Chromatography A, 2009, 1216, 2412-2416.	3.7	23
105	Automated measurement of urinary creatinine by multichannel kinetic spectrophotometry. Analytical Biochemistry, 2009, 384, 238-244.	2.4	40
106	Response to Comment on ~Intake of Iodine and Perchlorate and Excretion in Human Milk. Environmental Science & Technology, 2009, 43, 2656-2658.	10.0	1
107	Ion Exchange Resin Bead Decoupled High-Pressure Electroosmotic Pump. Analytical Chemistry, 2009, 81, 5102-5106.	6.5	9
108	Live HeLa Cells Preconcentrate and Differentiate Inorganic Arsenic Species. Analytical Chemistry, 2009, 81, 1291-1296.	6.5	37

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109	Nanocapillaries for Open Tubular Chromatographic Separations of Proteins in Femtoliter to Picoliter Samples. <i>Analytical Chemistry</i> , 2009, 81, 7428-7435.	6.5	52
110	Sensing parts per million levels of gaseous NO ₂ by a optical fiber transducer based on calix[4]arenes. <i>Talanta</i> , 2009, 77, 1814-1820.	5.5	47
111	Trace iodine quantitation in biological samples by mass spectrometric methods. <i>Talanta</i> , 2009, 79, 235-242.	5.5	25
112	An Automated Hydride Generation Interface to ICPMS for Measuring Total Arsenic in Environmental Samples. <i>Analytical Chemistry</i> , 2009, 81, 9737-9743.	6.5	42
113	Fiber Optic Sensor for Simultaneous Determination of Atmospheric Nitrogen Dioxide, Ozone, and Relative Humidity. <i>Analytical Chemistry</i> , 2009, 81, 4183-4191.	6.5	37
114	A time-gated fluorescence detector using a tuning fork chopper. <i>Analytica Chimica Acta</i> , 2008, 616, 63-68.	5.4	3
115	Gravity- ϵ flow open tubular cation chromatography. <i>Journal of Separation Science</i> , 2008, 31, 2745-2753.	2.5	27
116	Chromatographic peak resolution using Microsoft Excel Solver. <i>Journal of Chromatography A</i> , 2008, 1213, 50-55.	3.7	22
117	Creatinine Adjustment of Spot Urine Samples and 24 h Excretion of Iodine, Selenium, Perchlorate, and Thiocyanate. <i>Environmental Science & Technology</i> , 2008, 42, 9419-9423.	10.0	39
118	Perchlorate production by ozone oxidation of chloride in aqueous and dry systems. <i>Science of the Total Environment</i> , 2008, 405, 301-309.	8.0	74
119	Iodine Nutrition: Iodine Content of Iodized Salt in the United States. <i>Environmental Science & Technology</i> , 2008, 42, 1315-1323.	10.0	107
120	Atmospheric ozone measurement with an inexpensive and fully automated porous tube collector-colorimeter. <i>Talanta</i> , 2008, 74, 958-964.	5.5	21
121	Use of a capacitance measurement device for surrogate noncontact conductance measurement. <i>Talanta</i> , 2008, 76, 617-620.	5.5	29
122	Measurement of soil/dust arsenic by gas phase chemiluminescence. <i>Talanta</i> , 2008, 77, 372-379.	5.5	15
123	Robust Hybrid Flow Analyzer for Formaldehyde. <i>Environmental Science & Technology</i> , 2008, 42, 1221-1226.	10.0	23
124	Intake of Iodine and Perchlorate and Excretion in Human Milk. <i>Environmental Science & Technology</i> , 2008, 42, 8115-8121.	10.0	67
125	Airborne Bacterial Spore Counts by Terbium-enhanced Luminescence Detection: Pitfalls and Real Values. <i>Environmental Science & Technology</i> , 2008, 42, 2799-2804.	10.0	16
126	On-Line Gas-Free Electrodialytic Eluent Generator for Capillary Ion Chromatography. <i>Analytical Chemistry</i> , 2008, 80, 40-47.	6.5	37

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127	Environmental Applications: Atmospheric Trace Gas Analyses. Comprehensive Analytical Chemistry, 2008, , 639-683.	1.3	8
128	NEW APPLICATIONS OF CHEMILUMINESCENCE FOR SELECTIVE GAS ANALYSIS. Chemical Engineering Communications, 2007, 195, 82-97.	2.6	28
129	Thin layer distillation for matrix isolation in flow analysis. Talanta, 2007, 72, 741-746.	5.5	26
130	Perchlorate in Dairy Milk. Comparison of Japan versus the United States. Environmental Science & Technology, 2007, 41, 88-92.	10.0	99
131	Dicationic Ion-Pairing Agents for the Mass Spectrometric Determination of Perchlorate. Analytical Chemistry, 2007, 79, 7198-7200.	6.5	22
132	Tailoring Elution of Tetraalkylammonium Ions. Ideal Electrostatic Selectivity Elution Order on a Polymeric Ion Exchanger. Analytical Chemistry, 2007, 79, 769-772.	6.5	17
133	Liquid Chromatographic Arsenic Speciation with Gas-Phase Chemiluminescence Detection. Analytical Chemistry, 2007, 79, 9197-9204.	6.5	34
134	Postcolumn Concentration in Liquid Chromatography. On-Line Eluent Evaporation and Analyte Postconcentration in Ion Chromatography. Analytical Chemistry, 2007, 79, 5690-5697.	6.5	12
135	Can Breath Isoprene Be Measured by Ozone Chemiluminescence?. Analytical Chemistry, 2007, 79, 2641-2649.	6.5	30
136	Open Tubular Anion Exchange Chromatography. Controlled Layered Architecture of Stationary Phase by Successive Condensation Polymerization. Analytical Chemistry, 2007, 79, 5462-5467.	6.5	64
137	Temporal Patterns in Perchlorate, Thiocyanate, and Iodide Excretion in Human Milk. Environmental Health Perspectives, 2007, 115, 182-186.	6.0	90
138	Capillary scale light emitting diode based multi-reflection absorbance detector. Analytica Chimica Acta, 2007, 605, 166-174.	5.4	26
139	A General, Positive Ion Mode ESI-MS Approach for the Analysis of Singly Charged Inorganic and Organic Anions Using a Dicationic Reagent. Analytical Chemistry, 2007, 79, 7346-7352.	6.5	92
140	Measurement of Ammonia in Human Breath with a Liquid-Film Conductivity Sensor. Analytical Chemistry, 2006, 78, 7284-7291.	6.5	73
141	A Gas-Phase Chemiluminescence-Based Analyzer for Waterborne Arsenic. Analytical Chemistry, 2006, 78, 7088-7097.	6.5	46
142	Perchlorate in the United States. Analysis of Relative Source Contributions to the Food Chain. Environmental Science & Technology, 2006, 40, 6608-6614.	10.0	164
143	Soap Bubbles in Analytical Chemistry. Conductometric Determination of Sub-Parts Per Million Levels of Sulfur Dioxide with a Soap Bubble. Analytical Chemistry, 2006, 78, 2786-2793.	6.5	19
144	Hybrid Fluorometric Flow Analyzer for Ammonia. Analytical Chemistry, 2006, 78, 1890-1896.	6.5	39

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145	Versatile Gas/Particle Ion Chromatograph. Environmental Science & Technology, 2006, 40, 962-968.	10.0	28
146	Frequency-selective absorbance detection: Refractive index and turbidity compensation with dual-wavelength measurement. Talanta, 2006, 69, 906-913.	5.5	15
147	Perchlorate in seawater. Analytica Chimica Acta, 2006, 567, 100-107.	5.4	75
148	Matrix interference free determination of perchlorate in urine by ion associationâ€“ion chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2006, 567, 79-86.	5.4	37
149	Sample processing method for the determination of perchlorate in milk. Analytica Chimica Acta, 2006, 567, 73-78.	5.4	44
150	Perchlorate: An enigma for the new millennium. Analytica Chimica Acta, 2006, 567, 1-3.	5.4	8
151	Monitoring and Source Apportionment of Fine Particulate Matter at Lindon, Utah. Aerosol Science and Technology, 2006, 40, 941-951.	3.1	10
152	Measurement of gaseous and aqueous trace formaldehyde. Analytica Chimica Acta, 2005, 531, 51-68.	5.4	61
153	Determination of acetone in breath. Analytica Chimica Acta, 2005, 535, 189-199.	5.4	112
154	Speciation-Capable Field Instrument for the Measurement of Arsenite and Arsenate in Water. Analytical Chemistry, 2005, 77, 4765-4773.	6.5	40
155	Response to Comment on â€œPerchlorate and Iodide in Dairy and Breast Milkâ€; Environmental Science & Technology, 2005, 39, 5499-5500.	10.0	5
156	Summertime Ambient Formaldehyde in Five U.S. Metropolitan Areas:Â Nashville, Atlanta, Houston, Philadelphia, and Tampa. Environmental Science & Technology, 2005, 39, 4767-4783.	10.0	65
157	Automated Low-Pressure Carbonate Eluent Ion Chromatography System with Postsuppressor Carbon Dioxide Removal for the Analysis of Atmospheric Gases and Particles. Aerosol Science and Technology, 2005, 39, 1072-1084.	3.1	1
158	Response to Comment on â€œPerchlorate and Iodide in Dairy and Breast Milkâ€; Environmental Science & Technology, 2005, 39, 5902-5903.	10.0	5
159	Continuous Collection of Soluble Atmospheric Particles with a Wetted Hydrophilic Filter. Analytical Chemistry, 2005, 77, 8031-8040.	6.5	20
160	Perchlorate and Iodide in Dairy and Breast Milk. Environmental Science & Technology, 2005, 39, 2011-2017.	10.0	279
161	Preconcentration/preelution ion chromatography for the determination of perchlorate in complex samples. Talanta, 2005, 65, 750-755.	5.5	39
162	A chemiluminescence-based continuous flow aqueous ozone analyzer using photoactivated chromotropic acid. Talanta, 2005, 66, 823-830.	5.5	15

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163	The Origin of Naturally Occurring Perchlorate: The Role of Atmospheric Processes. Environmental Science & Technology, 2005, 39, 1569-1575.	10.0	371
164	Gas-Phase Ion Association Provides Increased Selectivity and Sensitivity for Measuring Perchlorate by Mass Spectrometry. Analytical Chemistry, 2005, 77, 4829-4835.	6.5	84
165	Light at the end of the tunnel: recent analytical applications of liquid-core waveguides. TrAC - Trends in Analytical Chemistry, 2004, 23, 385-392.	11.4	100
166	Capillary ion chromatography. Journal of Separation Science, 2004, 27, 1441-1457.	2.5	50
167	Catalytic decomposition of hydrogen peroxide by a flow-through self-regulating platinum black heater. Analytica Chimica Acta, 2004, 510, 9-13.	5.4	21
168	Asymmetric Membrane Fiber-Based Carbon Dioxide Removal Devices for Ion Chromatography. Analytical Chemistry, 2004, 76, 7084-7093.	6.5	23
169	Durable Microfabricated High-Speed Humidity Sensors. Analytical Chemistry, 2004, 76, 2561-2567.	6.5	43
170	Membrane-Based Parallel Plate Denuder for the Collection and Removal of Soluble Atmospheric Gases. Analytical Chemistry, 2004, 76, 1204-1210.	6.5	32
171	Field Instrument for Simultaneous Large Dynamic Range Measurement of Atmospheric Hydrogen Sulfide, Methanethiol, and Sulfur Dioxide. Environmental Science & Technology, 2004, 38, 1529-1536.	10.0	52
172	Determination of acid dissociation constants based on continuous titration by feedback-based flow ratiometry. Talanta, 2004, 64, 1169-1174.	5.5	7
173	Mid-Ultraviolet Light-Emitting Diode Detects Dipicolinic Acid. Applied Spectroscopy, 2004, 58, 1360-1363.	2.2	24
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