Purnendu K Dasgupta

List of Publications by Year
in descending order

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Version: 2024-02-01

384 papers	14,981 citations	23879 60 h-index	40945 97 g-index
388 all docs	388 docs citations	388 times ranked	9523 citing authors

#	Article	IF	Citations
1	Shape-Based Peak Identity Confirmation in Liquid Chromatography. Analytical Chemistry, 2021, 93, 3848-3856.	3.2	1
2	Automated Programmable Generation of Broad pH Range Volatile Ionic Eluents for Liquid Chromatography. Analytical Chemistry, 2021, 93, 5442-5450.	3.2	3
3	Gradient nanopump based suppressed ion chromatography using PEEK open tubular columns. Talanta Open, 2021, 3, 100029.	1.7	8
4	Moldable capillary suppressor for open tubular ion chromatography based on a polymeric ion exchanger.. Talanta Open, 2021, 4, 100062.	1.7	3
5	Exploiting adduct formation through an auxiliary spray in liquid chromatography-electrospray ionization mass spectrometry to improve charge-carrier identification. Journal of Chromatography A, 2020, 1632, 461601.	1.8	2
6	Moldable Strong Cation Exchange Polymer and Microchannel Fabrication. Analytical Chemistry, 2020, 92, 13378-13386.	3.2	5
7	Nanovolume Gas-Free Hydroxide Eluent Generator for Open Tubular Ion Chromatography. Analytical Chemistry, 2020, 92, 5561-5568.	3.2	13
8	Optimum Cell Pathlength or Volume for Absorbance Detection in Liquid Chromatography: Transforming Longer Cell Results to Virtual Shorter Cells. Analytical Chemistry, 2020, 92, 6391-6400.	3.2	10
9	Attenuation Coefficients of Tubular Conduits for Liquid Phase Absorbance Measurement: Shot Noise Limited Optimum Path Length. Analytical Chemistry, 2019, 91, 9481-9489.	3.2	6
10	Time-of-Sight Liquid Flow Measurements in the Low Nanoliters per Minute Scale. Analytical Chemistry, 2019, 91, 14332-14339.	3.2	6
11	Ion exchange membranes in ion chromatography and related applications. Talanta, 2019, 204, 89-137.	2.9	24
12	Inline flow sensor for ventriculoperitoneal shunts: Experimental evaluation in swine. Medical Engineering and Physics, 2019, 67, 66-72.	0.8	6
13	Carbonic Acid Eluent Ion Chromatography. Analytical Chemistry, 2019, 91, 3636-3644.	3.2	9
14	Direct Photothermal Measurement of Optical Absorption in a Flow System. Analytical Chemistry, 2019, 91, 2923-2931.	3.2	8
15	Ion exchange column capacities. Predicting retention behavior of open tubular columns coated with the same phase. Journal of Chromatography A, 2018, 1550, 75-79.	1.8	9
16	Flow-Cell-Induced Dispersion in Flow-through Absorbance Detection Systems: True Column Effluent Peak Variance. Analytical Chemistry, 2018, 90, 2063-2069.	3.2	12
17	Continuous measurement of elemental composition of ambient aerosol by induction-coupled plasma mass spectrometry. Talanta, 2018, 177, 197-202.	2.9	6
18	Capillary Scale Admittance and Conductance Detection. Analytical Chemistry, 2018, 90, 14561-14568.	3.2	14

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19	Characterization of ion exchange functionalized cyclic olefin polymer open tubular columns. Analytica Chimica Acta, 2018, 1036, 187-194.	2.6	8
20	Low-Bleed Silica-Based Stationary Phase for Hydrophilic Interaction Liquid Chromatography. Analytical Chemistry, 2018, 90, 8750-8755.	3.2	32
21	Width Based Quantitation of Chromatographic Peaks: Principles and Principal Characteristics. Analytical Chemistry, 2017, 89, 3884-3892.	3.2	11
22	Width Based Characterization of Chromatographic Peaks: Beyond Height and Area. Analytical Chemistry, 2017, 89, 3893-3900.	3.2	8
23	Automated programmable pressurized carbonic acid eluent ion exclusion chromatography of organic acids. Journal of Chromatography A, 2017, 1523, 300-308.	1.8	10
24	Automated Programmable Preparation of Carbonate-Bicarbonate Eluents for Ion Chromatography with Pressurized Carbon Dioxide. Analytical Chemistry, 2017, 89, 10063-10070.	3.2	12
25	Admittance Scanning for Whole Column Detection. Analytical Chemistry, 2017, 89, 7203-7209.	3.2	9
26	Inline Shunt Flow Monitor for Hydrocephalus. Analytical Chemistry, 2017, 89, 8170-8176.	3.2	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. Talanta, 2017, 164, 445-450.	2.9	27
28	Poly(vinyl alcohol) Modified Porous Graphitic Carbon Stationary Phase for Hydrophilic Interaction Liquid Chromatography. Analytical Chemistry, 2016, 88, 4676-4681.	3.2	47
29	Permeative Amine Introduction for Very Weak Acid Detection in Ion Chromatography. Analytical Chemistry, 2016, 88, 2198-2204.	3.2	12
30	Electrodialytic Capillary Suppressor for Open Tubular Ion Chromatography. Analytical Chemistry, 2016, 88, 12021-12027.	3.2	19
31	Functionalized Cycloolefin Polymer Capillaries for Open Tubular Ion Chromatography. Analytical Chemistry, 2016, 88, 12013-12020.	3.2	22
32	Conductometric Gradient Ion Exclusion Chromatography for Volatile Fatty Acids. Analytical Chemistry, 2016, 88, 12323-12329.	3.2	4
33	Water ICE: Ion Exclusion Chromatography of Very Weak Acids with a Pure Water Eluent. Analytical Chemistry, 2016, 88, 4965-4970.	3.2	10
34	Evaluation of Amount of Blood in Dry Blood Spots: Ring-Disk Electrode Conductometry. Analytical Chemistry, 2016, 88, 6531-6537.	3.2	25
35	Transient Ion-Pair Separations for Electrospray Mass Spectrometry. Analytical Chemistry, 2016, 88, 2059-2064.	3.2	3
36	Sampling frequency, response times and embedded signal filtration in fast, high efficiency liquid chromatography: A tutorial. Analytica Chimica Acta, 2016, 907, 31-44.	2.6	75

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37	Comment on â€œRapid visual detection of blood cyanideâ€•by C. MÃnnel-CroisÃ© and F. Zelder, Analytical Methods, 2012,4, 2632. Analytical Methods, 2015, 7, 5707-5711.	1.3	1
38	Mixing Characteristics of Mixers in Flow Analysis. Application to Two-Dimensional Detection in Ion Chromatography. Analytical Chemistry, 2015, 87, 793-800.	3.2	12
39	Nonlinear Absorbance Amplification Using a Diffuse Reflectance Cell: Total Organic Carbon Monitoring at 214 nm. Analytical Chemistry, 2015, 87, 1111-1117.	3.2	6
40	Concurrent High-Sensitivity Conductometric Detection of Volatile Weak Acids in a Suppressed Anion Chromatography System. Analytical Chemistry, 2015, 87, 8342-8346.	3.2	13
41	Micro Ion Extractor for Single Drop Whole Blood Analysis. Analytical Chemistry, 2015, 87, 6483-6486.	3.2	10
42	Enigmatic Ion-Exchange Behavior of myo-Inositol Phosphates. Analytical Chemistry, 2015, 87, 4851-4855.	3.2	7
43	Simultaneous Electrodialytic Preconcentration and Speciation of Chromium(III) and Chromium(VI). Analytical Chemistry, 2015, 87, 11575-11580.	3.2	40
44	Electrodialytic matrix isolation for metal cations. Talanta, 2015, 132, 228-233.	2.9	15
45	On-line electrodialytic matrix isolation for chromatographic determination of organic acids in wine. Journal of Chromatography A, 2014, 1372, 18-24.	1.8	32
46	Admittance Detector for High Impedance Systems: Design and Applications. Analytical Chemistry, 2014, 86, 11547-11553.	3.2	42
47	What Can In Situ Ion Chromatography Offer for Mars Exploration?. Astrobiology, 2014, 14, 577-588.	1.5	11
48	Capillary Scale Admittance Detection. Analytical Chemistry, 2014, 86, 11538-11546.	3.2	44
49	An Open Tubular Ion Chromatograph. Analytical Chemistry, 2014, 86, 11554-11561.	3.2	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.	2.6	19
51	Formaldehyde Content of Atmospheric Aerosol. Environmental Science & Technology, 2014, 48, 6636-6643.	4.6	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.	2.6	146
53	Electrochemical Arsine Generators for Arsenic Determination. Analytical Chemistry, 2014, 86, 7705-7711.	3.2	18
54	Cavity-Enhanced Absorption Measurements Across Broad Absorbance and Reflectivity Ranges. Analytical Chemistry, 2014, 86, 3727-3734.	3.2	9

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55	Light-Emitting Diodes for Analytical Chemistry. Annual Review of Analytical Chemistry, 2014, 7, 183-207.	2.8	100
56	Relative source contributions for perchlorate exposures in a lactating human cohort. Science of the Total Environment, 2013, 443, 939-943.	3.9	12
57	Tutorial: Simulating chromatography with Microsoft Excel Macros. Analytica Chimica Acta, 2013, 773, 1-8.	2.6	12
58	A disposable blood cyanide sensor. Analytica Chimica Acta, 2013, 768, 129-135.	2.6	46
59	Anion Composition of AÃ§aÄ±Ì•Extracts. Journal of Agricultural and Food Chemistry, 2013, 61, 5928-5935.	2.4	5
60	Polymethylmethacrylate Open Tubular Ion Exchange Columns: Nondestructive Measurement of Very Small Ion Exchange Capacities. Analytical Chemistry, 2013, 85, 7994-8000.	3.2	18
61	Confeito-like assembly of organosilicate-caged fluorophores: ultrabright supprananoparticles for fluorescence imaging. Nanotechnology, 2012, 23, 175601.	1.3	11
62	Iron(III) Modification of Bacillus subtilis Membranes Provides Record Sorption Capacity for Arsenic and Endows Unusual Selectivity for As(V). Environmental Science & Technology, 2012, 46, 2251-2256.	4.6	60
63	Breastfed Infants Metabolize Perchlorate. Environmental Science & Technology, 2012, 46, 5151-5159.	4.6	10
64	Electrodialytic Membrane Suppressors for Ion Chromatography Make Programmable Buffer Generators. Analytical Chemistry, 2012, 84, 67-75.	3.2	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.	2.9	21
66	pH- and Concentration-Programmable Electrodialytic Buffer Generator. Analytical Chemistry, 2012, 84, 59-66.	3.2	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.	2.6	40
68	Characterization of a constant current charge detector. Talanta, 2012, 102, 44-52.	2.9	4
69	A Capacitance Sensor for Water: Trace Moisture Measurement in Gases and Organic Solvents. Analytical Chemistry, 2012, 84, 8891-8897.	3.2	57
70	Electrodialytic Ion Isolation for Matrix Removal. Analytical Chemistry, 2012, 84, 5421-5426.	3.2	27
71	Perchlorate, iodine supplements, iodized salt and breast milk iodine content. Science of the Total Environment, 2012, 420, 73-78.	3.9	32
72	Resolving DNA in free solution. TrAC - Trends in Analytical Chemistry, 2012, 35, 122-134.	5.8	13

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73	Thiolated eggshell membranes sorb and speciate inorganic selenium. Analyst, The, 2011, 136, 83-89.	1.7	24
74	Rapid Point of Care Analyzer for the Measurement of Cyanide in Blood. Analytical Chemistry, 2011, 83, 4319-4324.	3.2	41
75	Fenton Digestion of Milk for Iodinalysis. Analytical Chemistry, 2011, 83, 8300-8307.	3.2	13
76	Rapid Nondestructive Spectrometric Measurement of Temperature-Dependent Gasâ"Liquid Solubility Equilibria. Analytical Chemistry, 2011, 83, 1157-1161.	3.2	1
77	Flow Batteries for Microfluidic Networks: Configuring An Electroosmotic Pump for Nonterminal Positions. Analytical Chemistry, 2011, 83, 2430-2433.	3.2	24
78	On-Line Electrodialytic Salt Removal in Electrospray Ionization Mass Spectrometry of Proteins. Analytical Chemistry, 2011, 83, 1015-1021.	3.2	36
79	Multilayer chitosan-based open tubular capillary anion exchange column with integrated monolithic capillary suppressor. Analytica Chimica Acta, 2011, 707, 210-217.	2.6	19
80	Expanding the linear dynamic range for multiple reaction monitoring in quantitative liquid chromatographyâ€"tandem mass spectrometry utilizing natural isotopologue transitions. Talanta, 2011, 87, 307-310.	2.9	43
81	Oxidation State-Differentiated Measurement of Aqueous Inorganic Arsenic by Continuous Flow Electrochemical Arsine Generation Coupled to Gas-Phase Chemiluminescence Detection. Analytical Chemistry, 2011, 83, 9378-9383.	3.2	23
82	Controlled porosity monolithic material as permselective ion exchange membranes. Analytica Chimica Acta, 2011, 689, 155-159.	2.6	16
83	Review of analytical methods for the quantification of iodine in complex matrices. Analytica Chimica Acta, 2011, 702, 16-36.	2.6	117
84	Gas collection efficiency of annular denuders: A spreadsheet-based calculator. Analytica Chimica Acta, 2010, 664, 56-61.	2.6	15
85	A simple inexpensive gas phase chemiluminescence analyzer for measuring trace levels of arsenic in drinking water. Environmental Pollution, 2010, 158, 252-257.	3.7	16
86	Variations and sources of ambient formaldehyde for the 2008 Beijing Olympic games. Atmospheric Environment, 2010, 44, 2632-2639.	1.9	79
87	Recent developments in cyanide detection: A review. Analytica Chimica Acta, 2010, 673, 117-125.	2.6	318
88	Temperature Dependence of Henryâ€™s Law Constant for Hydrogen Cyanide. Generation of Trace Standard Gaseous Hydrogen Cyanide. Environmental Science & Technology, 2010, 44, 3028-3034.	4.6	16
89	Black Box Linearization for Greater Linear Dynamic Range: The Effect of Power Transforms on the Representation of Data. Analytical Chemistry, 2010, 82, 10143-10150.	3.2	23
90	Cobinamide-Based Cyanide Analysis by Multiwavelength Spectrometry in a Liquid Core Waveguide. Analytical Chemistry, 2010, 82, 6244-6250.	3.2	44

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91	Electrodialytic Reagent Introduction in Flow Systems. Analytical Chemistry, 2010, 82, 3981-3984.	3.2	10
92	Measurement of Nitrophenols in Rain and Air by Two-Dimensional Liquid Chromatographyâ"Chemically Active Liquid Core Waveguide Spectrometry. Analytical Chemistry, 2010, 82, 5838-5843.	3.2	31
93	Doped Soap Membranes Selectively Permeate a Chiral Isomer. Journal of the American Chemical Society, 2010, 132, 18045-18047.	6.6	12
94	Semicontinuous Automated Measurement of Organic Carbon in Atmospheric Aerosol Samples. Analytical Chemistry, 2010, 82, 1334-1341.	3.2	3
95	Charge Detector for the Measurement of Ionic Solutes. Analytical Chemistry, 2010, 82, 951-958.	3.2	23
96	Free Solution Hydrodynamic Separation of DNA Fragments from 75 to 106â€‰000 Base Pairs in A Single Run. Journal of the American Chemical Society, 2010, 132, 40-41.	6.6	50
97	A cold plasma dielectric barrier discharge atomic emission detector for atmospheric mercury. Talanta, 2010, 81, 1109-1115.	2.9	27
98	Miniature open channel scrubbers for gas collection. Talanta, 2010, 82, 1870-1875.	2.9	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.	3.2	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.	0.7	7
102	Entropy driven spontaneous formation of highly porous films from polymerâ€"nanoparticle composites. Nanotechnology, 2009, 20, 425602.	1.3	24
103	A permeable membrane capacitance sensor for ionogenic gases. Analytica Chimica Acta, 2009, 652, 245-250.	2.6	19
104	A multifunctional dual membrane electrodialytic eluent generator for capillary ion chromatography. Journal of Chromatography A, 2009, 1216, 2412-2416.	1.8	23
105	Automated measurement of urinary creatinine by multichannel kinetic spectrophotometry. Analytical Biochemistry, 2009, 384, 238-244.	1.1	40
106	Response to Comment on â€œIntake of Iodine and Perchlorate and Excretion in Human Milk. Environmental Science & Technology, 2009, 43, 2656-2658.	4.6	1
107	Ion Exchange Resin Bead Decoupled High-Pressure Electroosmotic Pump. Analytical Chemistry, 2009, 81, 5102-5106.	3.2	9
108	Live HeLa Cells Preconcentrate and Differentiate Inorganic Arsenic Species. Analytical Chemistry, 2009, 81, 1291-1296.	3.2	37

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109	Nanocapillaries for Open Tubular Chromatographic Separations of Proteins in Femtoliter to Picoliter Samples. Analytical Chemistry, 2009, 81, 7428-7435.	3.2	52
110	Sensing parts per million levels of gaseous NO2 by a optical fiber transducer based on calix[4]arenes. Talanta, 2009, 77, 1814-1820.	2.9	47
111	Trace iodine quantitation in biological samples by mass spectrometric methods. Talanta, 2009, 79, 235-242.	2.9	25
112	An Automated Hydride Generation Interface to ICPMS for Measuring Total Arsenic in Environmental Samples. Analytical Chemistry, 2009, 81, 9737-9743.	3.2	42
113	Fiber Optic Sensor for Simultaneous Determination of Atmospheric Nitrogen Dioxide, Ozone, and Relative Humidity. Analytical Chemistry, 2009, 81, 4183-4191.	3.2	37
114	A time-gated fluorescence detector using a tuning fork chopper. Analytica Chimica Acta, 2008, 616, 63-68.	2.6	3
115	Gravityâ€flow open tubular cation chromatography. Journal of Separation Science, 2008, 31, 2745-2753.	1.3	27
116	Chromatographic peak resolution using Microsoft Excel Solver. Journal of Chromatography A, 2008, 1213, 50-55.	1.8	22
117	Creatinine Adjustment of Spot Urine Samples and 24 h Excretion of Iodine, Selenium, Perchlorate, and Thiocyanate. Environmental Science & Technology, 2008, 42, 9419-9423.	4.6	39
118	Perchlorate production by ozone oxidation of chloride in aqueous and dry systems. Science of the Total Environment, 2008, 405, 301-309.	3.9	74
119	Iodine Nutrition: Iodine Content of Iodized Salt in the United States. Environmental Science & Technology, 2008, 42, 1315-1323.	4.6	107
120	Atmospheric ozone measurement with an inexpensive and fully automated porous tube collector-colorimeter. Talanta, 2008, 74, 958-964.	2.9	21
121	Use of a capacitance measurement device for surrogate noncontact conductance measurement. Talanta, 2008, 76, 617-620.	2.9	29
122	Measurement of soil/dust arsenic by gas phase chemiluminescence. Talanta, 2008, 77, 372-379.	2.9	15
123	Robust Hybrid Flow Analyzer for Formaldehyde. Environmental Science & Technology, 2008, 42, 1221-1226.	4.6	23
124	Intake of Iodine and Perchlorate and Excretion in Human Milk. Environmental Science & Technology, 2008, 42, 8115-8121.	4.6	67
125	Airborne Bacterial Spore Counts by Terbium-enhanced Luminescence Detection: Pitfalls and Real Values. Environmental Science & Technology, 2008, 42, 2799-2804.	4.6	16
126	On-Line Gas-Free Electrodialytic Eluent Generator for Capillary Ion Chromatography. Analytical Chemistry, 2008, 80, 40-47.	3.2	37

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127	Environmental Applications: Atmospheric Trace Gas Analyses. Comprehensive Analytical Chemistry, 2008, , 639-683.	0.7	8
128	NEW APPLICATIONS OF CHEMILUMINESCENCE FOR SELECTIVE GAS ANALYSIS. Chemical Engineering Communications, 2007, 195, 82-97.	1.5	28
129	Thin layer distillation for matrix isolation in flow analysis. Talanta, 2007, 72, 741-746.	2.9	26
130	Perchlorate in Dairy Milk. Comparison of Japan versus the United States. Environmental Science & Technology, 2007, 41, 88-92.	4.6	99
131	Dicationic Ion-Pairing Agents for the Mass Spectrometric Determination of Perchlorate. Analytical Chemistry, 2007, 79, 7198-7200.	3.2	22
132	Tailoring Elution of Tetraalkylammonium Ions. Ideal Electrostatic Selectivity Elution Order on a Polymeric Ion Exchanger. Analytical Chemistry, 2007, 79, 769-772.	3.2	17
133	Liquid Chromatographic Arsenic Speciation with Gas-Phase Chemiluminescence Detection. Analytical Chemistry, 2007, 79, 9197-9204.	3.2	34
134	Postcolumn Concentration in Liquid Chromatography. On-Line Eluent Evaporation and Analyte Postconcentration in Ion Chromatography. Analytical Chemistry, 2007, 79, 5690-5697.	3.2	12
135	Can Breath Isoprene Be Measured by Ozone Chemiluminescence?. Analytical Chemistry, 2007, 79, 2641-2649.	3.2	30
136	Open Tubular Anion Exchange Chromatography. Controlled Layered Architecture of Stationary Phase by Successive Condensation Polymerization. Analytical Chemistry, 2007, 79, 5462-5467.	3.2	64
137	Temporal Patterns in Perchlorate, Thiocyanate, and Iodide Excretion in Human Milk. Environmental Health Perspectives, 2007, 115, 182-186.	2.8	90
138	Capillary scale light emitting diode based multi-reflection absorbance detector. Analytica Chimica Acta, 2007, 605, 166-174.	2.6	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.	3.2	92
140	Measurement of Ammonia in Human Breath with a Liquid-Film Conductivity Sensor. Analytical Chemistry, 2006, 78, 7284-7291.	3.2	73
141	A Gas-Phase Chemiluminescence-Based Analyzer for Waterborne Arsenic. Analytical Chemistry, 2006, 78, 7088-7097.	3.2	46
142	Perchlorate in the United States. Analysis of Relative Source Contributions to the Food Chain. Environmental Science & Technology, 2006, 40, 6608-6614.	4.6	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.	3.2	19
144	Hybrid Fluorometric Flow Analyzer for Ammonia. Analytical Chemistry, 2006, 78, 1890-1896.	3.2	39

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145	Versatile Gas/Particle Ion Chromatograph. Environmental Science & Technology, 2006, 40, 962-968.	4.6	28
146	Frequency-selective absorbance detection: Refractive index and turbidity compensation with dual-wavelength measurement. Talanta, 2006, 69, 906-913.	2.9	15
147	Perchlorate in seawater. Analytica Chimica Acta, 2006, 567, 100-107.	2.6	75
148	Matrix interference free determination of perchlorate in urine by ion associationâ€“ion chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2006, 567, 79-86.	2.6	37
149	Sample processing method for the determination of perchlorate in milk. Analytica Chimica Acta, 2006, 567, 73-78.	2.6	44
150	Perchlorate: An enigma for the new millennium. Analytica Chimica Acta, 2006, 567, 1-3.	2.6	8
151	Monitoring and Source Apportionment of Fine Particulate Matter at Lindon, Utah. Aerosol Science and Technology, 2006, 40, 941-951.	1.5	10
152	Measurement of gaseous and aqueous trace formaldehyde. Analytica Chimica Acta, 2005, 531, 51-68.	2.6	61
153	Determination of acetone in breath. Analytica Chimica Acta, 2005, 535, 189-199.	2.6	112
154	Speciation-Capable Field Instrument for the Measurement of Arsenite and Arsenate in Water. Analytical Chemistry, 2005, 77, 4765-4773.	3.2	40
155	Response to Comment on â€œPerchlorate and Iodide in Dairy and Breast Milkâ€• Environmental Science & Technology, 2005, 39, 5499-5500.	4.6	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.	4.6	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.	1.5	1
158	Response to Comment on â€œPerchlorate and Iodide in Dairy and Breast Milkâ€• Environmental Science & Technology, 2005, 39, 5902-5903.	4.6	5
159	Continuous Collection of Soluble Atmospheric Particles with a Wetted Hydrophilic Filter. Analytical Chemistry, 2005, 77, 8031-8040.	3.2	20
160	Perchlorate and Iodide in Dairy and Breast Milk. Environmental Science & Technology, 2005, 39, 2011-2017.	4.6	279
161	Preconcentration/preelution ion chromatography for the determination of perchlorate in complex samples. Talanta, 2005, 65, 750-755.	2.9	39
162	A chemiluminescence-based continuous flow aqueous ozone analyzer using photoactivated chromotropic acid. Talanta, 2005, 66, 823-830.	2.9	15

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163	The Origin of Naturally Occurring Perchlorate:â€‰ The Role of Atmospheric Processes. Environmental Science & Technology, 2005, 39, 1569-1575.	4.6	371
164	Gas-Phase Ion Association Provides Increased Selectivity and Sensitivity for Measuring Perchlorate by Mass Spectrometry. Analytical Chemistry, 2005, 77, 4829-4835.	3.2	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.	5.8	100
166	Capillary ion chromatography. Journal of Separation Science, 2004, 27, 1441-1457.	1.3	50
167	Catalytic decomposition of hydrogen peroxide by a flow-through self-regulating platinum black heater. Analytica Chimica Acta, 2004, 510, 9-13.	2.6	21
168	Asymmetric Membrane Fiber-Based Carbon Dioxide Removal Devices for Ion Chromatography. Analytical Chemistry, 2004, 76, 7084-7093.	3.2	23
169	Durable Microfabricated High-Speed Humidity Sensors. Analytical Chemistry, 2004, 76, 2561-2567.	3.2	43
170	Membrane-Based Parallel Plate Denuder for the Collection and Removal of Soluble Atmospheric Gases. Analytical Chemistry, 2004, 76, 1204-1210.	3.2	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.	4.6	52
172	Determination of acid dissociation constants based on continuous titration by feedback-based flow ratiometry. Talanta, 2004, 64, 1169-1174.	2.9	7
173	Mid-Ultraviolet Light-Emitting Diode Detects Dipicolinic Acid. Applied Spectroscopy, 2004, 58, 1360-1363.	1.2	24
174	Portable flow-injection analyzer with liquid-core waveguide based fluorescence, luminescence, and long path length absorbance detector. Analytica Chimica Acta, 2003, 479, 151-165.	2.6	74
175	Liquid core waveguide-based optical spectrometry for field estimation of dissolved BTEX compounds in groundwater. Analytica Chimica Acta, 2003, 485, 155-167.	2.6	19
176	Determination of dissociation constants of weak acids by feedback-based flow ratiometry. Analytica Chimica Acta, 2003, 499, 199-204.	2.6	6
177	Light emitting diode-based detectors. Analytica Chimica Acta, 2003, 500, 337-364.	2.6	189
178	A Nanoinjector for Microanalysis. Analytical Chemistry, 2003, 75, 3919-3923.	3.2	16
179	A Continuous Analyzer for Soluble Anionic Constituents and Ammonium in Atmospheric Particulate Matter. Environmental Science & Technology, 2003, 37, 5711-5720.	4.6	47
180	Silver-Induced Enhancement of Thiochrome-Based Peroxide Measurements. Analytical Chemistry, 2003, 75, 6753-6758.	3.2	12

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181	Chemiluminometric Measurement of Atmospheric Ozone with Photoactivated Chromotropic Acid. Analytical Chemistry, 2003, 75, 5916-5925.	3.2	26
182	Trace Gas Measurement with an Integrated Porous Tube Collector/Long-Path Absorbance Detector. Analytical Chemistry, 2003, 75, 4050-4056.	3.2	38
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