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 97 g-index
388 all docs	388 docs citations	388 times ranked	8599 citing authors

#	Article	IF	Citations
1	Analytical Chemistry in a Drop. Solvent Extraction in a Microdrop. Analytical Chemistry, 1996, 68, 1817-1821.	6.5	704
2	The Origin of Naturally Occurring Perchlorate:â€‰ The Role of Atmospheric Processes. Environmental Science & Technology, 2005, 39, 1569-1575.	10.0	371
3	Fluorescence properties of metal complexes of 8-hydroxyquinoline-5-sulfonic acid and chromatographic applications. Analytical Chemistry, 1987, 59, 629-636.	6.5	362
4	Recent developments in cyanide detection: A review. Analytica Chimica Acta, 2010, 673, 117-125.	5.4	318
5	Perchlorate and Iodide in Dairy and Breast Milk. Environmental Science & Technology, 2005, 39, 2011-2017.	10.0	279
6	Liquid Droplet. A Renewable Gas Sampling Interface. Analytical Chemistry, 1995, 67, 2042-2049.	6.5	213
7	Hematin as a peroxidase substitute in hydrogen peroxide determinations. Analytical Chemistry, 1992, 64, 517-522.	6.5	202
8	Light emitting diode-based detectors. Analytica Chimica Acta, 2003, 500, 337-364.	5.4	189
9	Fluorometric measurement of aqueous ammonium ion in a flow injection system. Analytical Chemistry, 1989, 61, 408-412.	6.5	174
10	Perchlorate in the United States. Analysis of Relative Source Contributions to the Food Chain. Environmental Science & Technology, 2006, 40, 6608-6614.	10.0	164
11	Determination of atmospheric sulfur dioxide without tetrachloromercurate(II) and the mechanism of the Schiff reaction. Analytical Chemistry, 1980, 52, 1912-1922.	6.5	163
12	Perchlorate in Milk. Environmental Science & Technology, 2003, 37, 4979-4981.	10.0	151
13	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
14	Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis. Analytical Chemistry, 1994, 66, 1792-1798.	6.5	133
15	Solubility of gaseous formaldehyde in liquid water and generation of trace standard gaseous formaldehyde. Environmental Science & Technology, 1986, 20, 637-640.	10.0	131
16	Continuous liquid-phase fluorometry coupled to a diffusion scrubber for the real-time determination of atmospheric formaldehyde, hydrogen peroxide and sulfur dioxide. Atmospheric Environment, 1988, 22, 949-963.	1.0	123
17	Fast fluorometric flow injection analysis of formaldehyde in atmospheric water. Environmental Science & Technology, 1987, 21, 581-588.	10.0	119
18	A Miniaturized Liquid Core Waveguide-Capillary Electrophoresis System with Flow Injection Sample Introduction and Fluorometric Detection Using Light-Emitting Diodes. Analytical Chemistry, 2001, 73, 4545-4549.	6.5	118

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19	Review of analytical methods for the quantification of iodine in complex matrices. Analytica Chimica Acta, 2011, 702, 16-36.	5.4	117
20	Nitroprusside and methylene blue methods for silicone membrane differentiated flow injection determination of sulfide in water and wastewater. Analytical Chemistry, 1992, 64, 36-43.	6.5	116
21	High-Sensitivity Gas Sensors Based on Gas-Permeable Liquid Core Waveguides and Long-Path Absorbance Detection. Analytical Chemistry, 1998, 70, 4661-4669.	6.5	114
22	Determination of acetone in breath. Analytica Chimica Acta, 2005, 535, 189-199.	5.4	112
23	Suppressed conductometric capillary electrophoresis separation systems. Analytical Chemistry, 1993, 65, 1003-1011.	6.5	111
24	Continuous Automated Measurement of the Soluble Fraction of Atmospheric Particulate Matter. Analytical Chemistry, 1995, 67, 71-78.	6.5	111
25	Wet effluent denuder coupled liquid/ion chromatography systems: annular and parallel plate denuders. Analytical Chemistry, 1993, 65, 1134-1139.	6.5	109
26	Iodine Nutrition: Iodine Content of Iodized Salt in the United States. Environmental Science & Technology, 2008, 42, 1315-1323.	10.0	107
27	Continuous Automated Measurement of Gaseous Nitrous and Nitric Acids and Particulate Nitrite and Nitrate. Environmental Science & Technology, 1995, 29, 1534-1541.	10.0	104
28	A field-deployable instrument for the measurement and speciation of arsenic in potable water. Analytica Chimica Acta, 1999, 380, 27-37.	5.4	102
29	Fluorometric flow injection determination of aqueous peroxides at nanomolar level using membrane reactors. Analytical Chemistry, 1986, 58, 1521-1524.	6.5	101
30	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
31	Light-Emitting Diodes for Analytical Chemistry. Annual Review of Analytical Chemistry, 2014, 7, 183-207.	5.4	100
32	Perchlorate in Dairy Milk. Comparison of Japan versus the United States. Environmental Science & Technology, 2007, 41, 88-92.	10.0	99
33	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
34	Luminescence Detection with a Liquid Core Waveguide. Analytical Chemistry, 1999, 71, 1400-1407.	6.5	90
35	Temporal Patterns in Perchlorate, Thiocyanate, and Iodide Excretion in Human Milk. Environmental Health Perspectives, 2007, 115, 182-186.	6.0	90
36	Measurement of Atmospheric Hydrogen Peroxide and Hydroxymethyl Hydroperoxide with a Diffusion Scrubber and Light Emitting Diodeâ^Liquid Core Waveguide-Based Fluorometry. Analytical Chemistry, 2000, 72, 5338-5347.	6.5	87

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37	Continuous Automated Determination of Atmospheric Formaldehyde at the Parts Per Trillion Level. Analytical Chemistry, 1994, 66, 551-556.	6.5	86
38	A Renewable Liquid Droplet as a Sampler and a Windowless Optical Cell. Automated Sensor for Gaseous Chlorine. Analytical Chemistry, 1995, 67, 4221-4228.	6.5	85
39	Gas-Phase Ion Association Provides Increased Selectivity and Sensitivity for Measuring Perchlorate by Mass Spectrometry. Analytical Chemistry, 2005, 77, 4829-4835.	6.5	84
40	Thermodynamics of the hydrogen peroxide-water system. Environmental Science & Technology, 1985, 19, 255-258.	10.0	83
41	Measurement of atmospheric ammonia. Environmental Science & Technology, 1989, 23, 1467-1474.	10.0	83
42	Analytical Chemistry in a Liquid Film/Droplet. Analytical Chemistry, 1995, 67, 2562-2566.	6.5	80
43	Variations and sources of ambient formaldehyde for the 2008 Beijing Olympic games. Atmospheric Environment, 2010, 44, 2632-2639.	4.1	79
44	Perchlorate in seawater. Analytica Chimica Acta, 2006, 567, 100-107.	5.4	75
45	Sampling frequency, response times and embedded signal filtration in fast, high efficiency liquid chromatography: A tutorial. Analytica Chimica Acta, 2016, 907, 31-44.	5.4	75
46	Portable flow-injection analyzer with liquid-core waveguide based fluorescence, luminescence, and long path length absorbance detector. Analytica Chimica Acta, 2003, 479, 151-165.	5.4	74
47	Perchlorate production by ozone oxidation of chloride in aqueous and dry systems. Science of the Total Environment, 2008, 405, 301-309.	8.0	74
48	Measurement of ambient nitrous acid and a reliable calibration source for gaseous nitrous acid. Environmental Science & Technology, 1991, 25, 255-260.	10.0	73
49	Measurement of Ammonia in Human Breath with a Liquid-Film Conductivity Sensor. Analytical Chemistry, 2006, 78, 7284-7291.	6.5	73
50	Wet effluent denuder coupled liquid/ion chromatography systems. Analytical Chemistry, 1991, 63, 1237-1242.	6.5	72
51	Measurement of atmospheric nitric and nitrous acids with a wet effluent diffusion denuder and low-pressure ion chromatography-postcolumn reaction detection. Analytical Chemistry, 1991, 63, 2210-2216.	6.5	69
52	Electrodialytic eluent production and gradient generation in ion chromatography. Analytical Chemistry, 1991, 63, 480-486.	6.5	68
53	Determination of Trace Perchlorate in High-Salinity Water Samples by Ion Chromatography with On-Line Preconcentration and Preelution. Analytical Chemistry, 2003, 75, 701-706.	6.5	68
54	Intake of Iodine and Perchlorate and Excretion in Human Milk. Environmental Science & Technology, 2008, 42, 8115-8121.	10.0	67

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55	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. Analytical Chemistry, 2002, 74, 1256-1268.	6.5	66
56	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
57	Simultaneous photometric flow-injection determination of sulfide, polysulfide, sulfite, thiosulfate, and sulfate. Analytical Chemistry, 1991, 63, 427-432.	6.5	64
58	Open Tubular Anion Exchange Chromatography. Controlled Layered Architecture of Stationary Phase by Successive Condensation Polymerization. Analytical Chemistry, 2007, 79, 5462-5467.	6.5	64
59	Flow-injection analysis in the capillary format using electroosmotic pumping. Analytica Chimica Acta, 1992, 268, 1-6.	5.4	63
60	Electrodialytic membrane suppressor for ion chromatography. Analytical Chemistry, 1989, 61, 939-945.	6.5	61
61	Measurement of gaseous and aqueous trace formaldehyde. Analytica Chimica Acta, 2005, 531, 51-68.	5.4	61
62	Application of a nested loop system for the flow injection analysis of trace aqueous peroxides. Analytical Chemistry, 1985, 57, 1009-1012.	6.5	60
63	Measurement of Gases by a Suppressed Conductometric Capillary Electrophoresis Separation System. Analytical Chemistry, 1995, 67, 3853-3860.	6.5	60
64	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.	10.0	60
65	Membrane interfaces for sample introduction in capillary zone electrophoresis. Analytical Chemistry, 1992, 64, 991-996.	6.5	59
66	A Capacitance Sensor for Water: Trace Moisture Measurement in Gases and Organic Solvents. Analytical Chemistry, 2012, 84, 8891-8897.	6.5	57
67	A diffusion scrubber for the collection of atmospheric gases. Atmospheric Environment, 1984, 18, 1593-1599.	1.0	56
68	Comparison of techniques for measurement of ambient levels of hydrogen peroxide. Environmental Science & Technology, 1988, 22, 53-61.	10.0	56
69	A liquid drop: A windowless optical cell and a reactor without walls for flow injection analysis. Analytica Chimica Acta, 1996, 326, 13-22.	5.4	56
70	Chemiluminescence detection with a liquid core waveguide. Analytica Chimica Acta, 1999, 398, 33-39.	5.4	54
71	Small-Volume Raman Spectroscopy with a Liquid Core Waveguide. Analytical Chemistry, 1999, 71, 2934-2938.	6.5	54
72	Measurement of atmospheric sulfur dioxide by diffusion scrubber coupled ion chromatography. Analytical Chemistry, 1989, 61, 19-24.	6.5	53

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73	Superheated water eluent capillary liquid chromatography. Talanta, 2002, 56, 977-987.	5.5	52
74	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
75	Nanocapillaries for Open Tubular Chromatographic Separations of Proteins in Femtoliter to Picoliter Samples. Analytical Chemistry, 2009, 81, 7428-7435.	6.5	52
76	Fluorimetric determination of trace hydrogen peroxide in water with a flow injection system. Analytica Chimica Acta, 1985, 170, 347-352.	5.4	51
77	Electroosmotically pumped capillary flow-injection analysis. Analytica Chimica Acta, 1993, 283, 739-745.	5.4	51
78	Photometric measurement of trace As(III) and As(V) in drinking water. Talanta, 2002, 58, 153-164.	5.5	51
79	Dual-wavelength photometry with light emitting diodes. Compensation of refractive index and turbidity effects in flow-injection analysis. Analytica Chimica Acta, 1994, 289, 347-353.	5.4	50
80	Fluorometric Field Instrument for Continuous Measurement of Atmospheric Hydrogen Sulfide. Analytical Chemistry, 2001, 73, 5716-5724.	6.5	50
81	Capillary ion chromatography. Journal of Separation Science, 2004, 27, 1441-1457.	2.5	50
82	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.	13.7	50
83	Flow-injection extraction without phase separation based on dual-wavelength spectrophotometry. Analytica Chimica Acta, 1994, 288, 237-245.	5.4	49
84	Liquid Chromatographic Determination of Nitro-Substituted Polynuclear Aromatic Hydrocarbons by Sequential Electrochemical and Fluorescence Detection. Analytical Chemistry, 1996, 68, 1226-1232.	6.5	49
85	Compact, field-portable capillary ion chromatograph. Journal of Chromatography A, 1998, 804, 45-54.	3.7	49
86	Multipath cells for extending dynamic range of optical absorbance measurements. Analytical Chemistry, 1984, 56, 1401-1403.	6.5	48
87	Determination of hydrogen peroxide by photoinduced fluorogenic reactions. Analytica Chimica Acta, 1991, 243, 207-216.	5.4	48
88	Automated Measurement of Atmospheric Trace Gases. Advances in Chemistry Series, 1993, , 41-90.	0.6	47
89	Computer-Interfaced Bipolar Pulse Conductivity Detector for Capillary Systems. Analytical Chemistry, 1994, 66, 2537-2543.	6.5	47
90	Hybrid Microfabricated Device for Field Measurement of Atmospheric Sulfur Dioxide. Analytical Chemistry, 2002, 74, 5890-5896.	6.5	47

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91	A Continuous Analyzer for Soluble Anionic Constituents and Ammonium in Atmospheric Particulate Matter. Environmental Science & Technology, 2003, 37, 5711-5720.	10.0	47
92	Sensing parts per million levels of gaseous NO2 by a optical fiber transducer based on calix[4]arenes. Talanta, 2009, 77, 1814-1820.	5.5	47
93	Poly(vinyl alcohol) Modified Porous Graphitic Carbon Stationary Phase for Hydrophilic Interaction Liquid Chromatography. Analytical Chemistry, 2016, 88, 4676-4681.	6.5	47
94	Pulsed Excitation Source Multiplexed Fluorometry for the Simultaneous Measurement of Multiple Analytes. Continuous Measurement of Atmospheric Hydrogen Peroxide and Methyl Hydroperoxide. Analytical Chemistry, 2003, 75, 1203-1210.	6.5	46
95	A Gas-Phase Chemiluminescence-Based Analyzer for Waterborne Arsenic. Analytical Chemistry, 2006, 78, 7088-7097.	6.5	46
96	A disposable blood cyanide sensor. Analytica Chimica Acta, 2013, 768, 129-135.	5.4	46
97	Annular helical suppressor for ion chromatography. Analytical Chemistry, 1984, 56, 103-105.	6.5	45
98	Determination of Oxidative Stability of Oils and Fats. Analytical Chemistry, 1999, 71, 1692-1698.	6.5	44
99	Sample processing method for the determination of perchlorate in milk. Analytica Chimica Acta, 2006, 567, 73-78.	5.4	44
100	Cobinamide-Based Cyanide Analysis by Multiwavelength Spectrometry in a Liquid Core Waveguide. Analytical Chemistry, 2010, 82, 6244-6250.	6.5	44
101	Capillary Scale Admittance Detection. Analytical Chemistry, 2014, 86, 11538-11546.	6.5	44
102	Optical fiber coupled light emitting diode based absorbance detector with a reflective flow cell. Talanta, 1999, 50, 481-490.	5.5	43
103	Durable Microfabricated High-Speed Humidity Sensors. Analytical Chemistry, 2004, 76, 2561-2567.	6.5	43
104	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.	5.5	43
105	Capillary Ion Chromatography with On-Line High-Pressure Electrodialytic NaOH Eluent Production and Gradient Generation. Analytical Chemistry, 1997, 69, 1385-1391.	6.5	42
106	Measurement of atmospheric formaldehyde with a diffusion scrubber and light-emitting diode-liquid-core waveguide based fluorometry. Field Analytical Chemistry and Technology, 2001, 5, 2-12.	0.8	42
107	An Automated Hydride Generation Interface to ICPMS for Measuring Total Arsenic in Environmental Samples. Analytical Chemistry, 2009, 81, 9737-9743.	6.5	42
108	Admittance Detector for High Impedance Systems: Design and Applications. Analytical Chemistry, 2014, 86, 11547-11553.	6.5	42

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109	Ion penetration through tubular ion exchange membranes. Analytical Chemistry, 1985, 57, 253-257.	6.5	41
110	Gradient anion chromatography with hydroxide and carbonate eluents using simultaneous conductivity and pH detection. Analytical Chemistry, 1987, 59, 802-808.	6.5	41
111	Rapid Point of Care Analyzer for the Measurement of Cyanide in Blood. Analytical Chemistry, 2011, 83, 4319-4324.	6.5	41
112	Porous membrane-based diffusion scrubber for the sampling of atmospheric gases. Analyst, The, 1986, 111, 87.	3.5	40
113	Trace determination of aqueous sulfite, sulfide and methanethiol by fluorometric flow injection analysis. Analytical Chemistry, 1986, 58, 2839-2844.	6.5	40
114	Amperometric microsensor for water. Analytical Chemistry, 1990, 62, 1935-1942.	6.5	40
115	Speciation-Capable Field Instrument for the Measurement of Arsenite and Arsenate in Water. Analytical Chemistry, 2005, 77, 4765-4773.	6.5	40
116	Automated measurement of urinary creatinine by multichannel kinetic spectrophotometry. Analytical Biochemistry, 2009, 384, 238-244.	2.4	40
117	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
118	Simultaneous Electrodialytic Preconcentration and Speciation of Chromium(III) and Chromium(VI). Analytical Chemistry, 2015, 87, 11575-11580.	6.5	40
119	Linear and helical flow in a perfluorosulfonate membrane of annular geometry as a continuous cation exchanger. Analytical Chemistry, 1984, 56, 96-103.	6.5	39
120	Determination of total mercury in water and urine by a gold film sensor following Fenton's reagent digestion. Analytical Chemistry, 1989, 61, 1230-1235.	6.5	39
121	Preconcentration/preelution ion chromatography for the determination of perchlorate in complex samples. Talanta, 2005, 65, 750-755.	5.5	39
122	Hybrid Fluorometric Flow Analyzer for Ammonia. Analytical Chemistry, 2006, 78, 1890-1896.	6.5	39
123	Creatinine Adjustment of Spot Urine Samples and 24 h Excretion of Iodine, Selenium, Perchlorate, and Thiocyanate. Environmental Science & Technology, 2008, 42, 9419-9423.	10.0	39
124	Applications of in situ detection with an auto-mated micro batch analyzer. Analytica Chimica Acta, 1988, 214, 107-120.	5.4	38
125	Determination of sulfide and mercaptans in caustic scrubbing liquor. Analytica Chimica Acta, 1989, 226, 165-170.	5.4	38
126	Microscale Continuous Ion Exchanger. Analytical Chemistry, 2002, 74, 5667-5675.	6.5	38

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127	Trace Gas Measurement with an Integrated Porous Tube Collector/Long-Path Absorbance Detector. Analytical Chemistry, 2003, 75, 4050-4056.	6.5	38
128	An affordable high-performance optical absorbance detector for capillary systems. Analytica Chimica Acta, 1997, 342, 123-132.	5.4	37
129	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
130	On-Line Gas-Free Electrodialytic Eluent Generator for Capillary Ion Chromatography. Analytical Chemistry, 2008, 80, 40-47.	6.5	37
131	Live HeLa Cells Preconcentrate and Differentiate Inorganic Arsenic Species. Analytical Chemistry, 2009, 81, 1291-1296.	6.5	37
132	Fiber Optic Sensor for Simultaneous Determination of Atmospheric Nitrogen Dioxide, Ozone, and Relative Humidity. Analytical Chemistry, 2009, 81, 4183-4191.	6.5	37
133	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
134	Formaldehyde Content of Atmospheric Aerosol. Environmental Science & Technology, 2014, 48, 6636-6643.	10.0	37
135	Continuous Automated Measurement of Hexavalent Chromium in Airborne Particulate Matter. Analytical Chemistry, 2001, 73, 2034-2040.	6.5	36
136	On-Line Electrodialytic Salt Removal in Electrospray Ionization Mass Spectrometry of Proteins. Analytical Chemistry, 2011, 83, 1015-1021.	6.5	36
137	Performance of annular membrane and screen-tee reactors for postcolumn-reaction detection of metal ions separated by liquid chromatography. Analytical Chemistry, 1987, 59, 85-90.	6.5	35
138	Continuous On-Line True Titrations by Feedback-Based Flow Ratiometry. The Principle of Compensating Errors. Analytical Chemistry, 2000, 72, 4713-4720.	6.5	35
139	Measurement of gaseous hydrogen peroxide with a liquid core waveguide chemiluminescence detector. Analytica Chimica Acta, 2001, 442, 63-70.	5.4	35
140	High performance optical absorbance detectors based on low noise switched integrators. Talanta, 1993, 40, 1331-1338.	5.5	34
141	Dispersion in open tubular reactors of various geometries. Analytica Chimica Acta, 2001, 428, 163-171.	5.4	34
142	Liquid Chromatographic Arsenic Speciation with Gas-Phase Chemiluminescence Detection. Analytical Chemistry, 2007, 79, 9197-9204.	6.5	34
143	Quantitative study of chemical equilibria by flow injection analysis with diode array detection. Analytical Chemistry, 1986, 58, 326-330.	6.5	33
144	Auxiliary Electroosmotic Pumping in Capillary Electrophoresis. Analytical Chemistry, 1994, 66, 3060-3065.	6.5	33

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145	An Open Tubular Ion Chromatograph. Analytical Chemistry, 2014, 86, 11554-11561.	6.5	33
146	Membrane-Based Parallel Plate Denuder for the Collection and Removal of Soluble Atmospheric Gases. Analytical Chemistry, 2004, 76, 1204-1210.	6.5	32
147	Perchlorate, iodine supplements, iodized salt and breast milk iodine content. Science of the Total Environment, 2012, 420, 73-78.	8.0	32
148	On-line electrodialytic matrix isolation for chromatographic determination of organic acids in wine. Journal of Chromatography A, 2014, 1372, 18-24.	3.7	32
149	Low-Bleed Silica-Based Stationary Phase for Hydrophilic Interaction Liquid Chromatography. Analytical Chemistry, 2018, 90, 8750-8755.	6.5	32
150	Two-dimensional conductometric detection in ion chromatography: sequential suppressed and single column detection. Analytical Chemistry, 1993, 65, 1192-1198.	6.5	31
151	Measurement of Nitrophenols in Rain and Air by Two-Dimensional Liquid Chromatographyâ˜Chemically Active Liquid Core Waveguide Spectrometry. Analytical Chemistry, 2010, 82, 5838-5843.	6.5	31
152	Ion chromatographic separation of anions with ion interaction reagents and an annular helical suppressor. Analytical Chemistry, 1984, 56, 769-772.	6.5	30
153	Measurement of nitrogen dioxide and nitrous acid using gas-permeable liquid core waveguides. Analytica Chimica Acta, 2001, 431, 169-180.	5.4	30
154	Can Breath Isoprene Be Measured by Ozone Chemiluminescence?. Analytical Chemistry, 2007, 79, 2641-2649.	6.5	30
155	Metal Ion Chromatography with Fluorescence Detection. Journal of Liquid Chromatography and Related Technologies, 1987, 10, 3287-3319.	1.0	29
156	Sequential injection analysis in capillary format with an electroosmotic pump. Talanta, 1994, 41, 1903-1910.	5.5	29
157	Electromigration Injection from a Small Loop in Capillary Electrophoresis. Analytical Chemistry, 1996, 68, 4291-4299.	6.5	29
158	A Multiple Parallel Plate Wetted Screen Diffusion Denuder for High-Flow Air Sampling Applications. Analytical Chemistry, 1997, 69, 5018-5023.	6.5	29
159	Hot eluent capillary liquid chromatography using zirconia and titania based stationary phases. Analytica Chimica Acta, 2000, 414, 71-78.	5.4	29
160	Use of a capacitance measurement device for surrogate noncontact conductance measurement. Talanta, 2008, 76, 617-620.	5.5	29
161	A Diffusion Scrubber for the Collection of Gaseous Nitric Acid. Separation Science and Technology, 1987, 22, 1255-1267.	2.5	28
162	Electrodialytic production of gas-free sodium hydroxide based on Donnan breakdown. Journal of Membrane Science, 1991, 57, 321-336.	8.2	28

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163	Determination of gaseous hydrogen peroxide at parts per trillion levels a Nafion membrane scrubber and a single-line flow-injection system. Analytica Chimica Acta, 1992, 260, 57-64.	5.4	28
164	A simple means to increase absorbance detection sensitivity in capillary zone electrophoresis. Analytica Chimica Acta, 1993, 283, 747-753.	5.4	28
165	Automated Measurement of Lipid Hydroperoxides in Oil and Fat Samples by Flow Injection Photometry. Analytical Chemistry, 1999, 71, 2053-2058.	6.5	28
166	A Continuous Film-Recirculable Drop Gasâ^'Liquid Equilibration Device. Measurement of Trace Gaseous Ammonia. Analytical Chemistry, 2000, 72, 3165-3170.	6.5	28
167	Oxygen-independent poly(dimethylsiloxane)-based carbon-paste glucose biosensors. Biosensors and Bioelectronics, 2002, 17, 999-1003.	10.1	28
168	Versatile Gas/Particle Ion Chromatograph. Environmental Science & Technology, 2006, 40, 962-968.	10.0	28
169	NEW APPLICATIONS OF CHEMILUMINESCENCE FOR SELECTIVE GAS ANALYSIS. Chemical Engineering Communications, 2007, 195, 82-97.	2.6	28
170	A Liquid Drop: What Is It Good For?. Microchemical Journal, 1997, 57, 127-136.	4.5	27
171	Gravityâ€flow open tubular cation chromatography. Journal of Separation Science, 2008, 31, 2745-2753.	2.5	27
172	A cold plasma dielectric barrier discharge atomic emission detector for atmospheric mercury. Talanta, 2010, 81, 1109-1115.	5.5	27
173	Electrodialytic Ion Isolation for Matrix Removal. Analytical Chemistry, 2012, 84, 5421-5426.	6.5	27
174	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.	5.5	27
175	A Pulse Amperometric Sensor for the Measurement of Atmospheric Hydrogen Peroxide. Analytical Chemistry, 1996, 68, 2062-2066.	6.5	26
176	Chemiluminometric Measurement of Atmospheric Ozone with Photoactivated Chromotropic Acid. Analytical Chemistry, 2003, 75, 5916-5925.	6.5	26
177	Thin layer distillation for matrix isolation in flow analysis. Talanta, 2007, 72, 741-746.	5.5	26
178	Capillary scale light emitting diode based multi-reflection absorbance detector. Analytica Chimica Acta, 2007, 605, 166-174.	5.4	26
179	Diffusion Scrubber-Based Field Measurements of Atmospheric Formaldehyde and Hydrogen Peroxide. Aerosol Science and Technology, 1990, 12, 98-104.	3.1	25
180	Comparison of photometry and conductometry for the determination of total carbonate by gas permeation flow injection analysis. Talanta, 1993, 40, 831-840.	5.5	25

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181	Measurement of Diffusive Flux of Ammonia from Water. Analytical Chemistry, 1998, 70, 3656-3666.	6.5	25
182	Trace iodine quantitation in biological samples by mass spectrometric methods. Talanta, 2009, 79, 235-242.	5.5	25
183	Evaluation of Amount of Blood in Dry Blood Spots: Ring-Disk Electrode Conductometry. Analytical Chemistry, 2016, 88, 6531-6537.	6.5	25
184	A personal chlorine monitor utilizing permeation sampling. Environmental Science & Technology, 1979, 13, 1090-1093.	10.0	24
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