

Purnendu K Dasgupta

List of Publications by Year in descending order

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384
papers

14,981
citations

23879

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40945

97
g-index

388
all docs

388
docs citations

388
times ranked

9523
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Chemistry in a Drop. Solvent Extraction in a Microdrop. <i>Analytical Chemistry</i> , 1996, 68, 1817-1821.	3.2	704
2	The Origin of Naturally Occurring Perchlorate: The Role of Atmospheric Processes. <i>Environmental Science & Technology</i> , 2005, 39, 1569-1575.	4.6	371
3	Fluorescence properties of metal complexes of 8-hydroxyquinoline-5-sulfonic acid and chromatographic applications. <i>Analytical Chemistry</i> , 1987, 59, 629-636.	3.2	362
4	Recent developments in cyanide detection: A review. <i>Analytica Chimica Acta</i> , 2010, 673, 117-125.	2.6	318
5	Perchlorate and Iodide in Dairy and Breast Milk. <i>Environmental Science & Technology</i> , 2005, 39, 2011-2017.	4.6	279
6	Liquid Droplet. A Renewable Gas Sampling Interface. <i>Analytical Chemistry</i> , 1995, 67, 2042-2049.	3.2	213
7	Hematin as a peroxidase substitute in hydrogen peroxide determinations. <i>Analytical Chemistry</i> , 1992, 64, 517-522.	3.2	202
8	Light emitting diode-based detectors. <i>Analytica Chimica Acta</i> , 2003, 500, 337-364.	2.6	189
9	Fluorometric measurement of aqueous ammonium ion in a flow injection system. <i>Analytical Chemistry</i> , 1989, 61, 408-412.	3.2	174
10	Perchlorate in the United States. Analysis of Relative Source Contributions to the Food Chain. <i>Environmental Science & Technology</i> , 2006, 40, 6608-6614.	4.6	164
11	Determination of atmospheric sulfur dioxide without tetrachloromercurate(II) and the mechanism of the Schiff reaction. <i>Analytical Chemistry</i> , 1980, 52, 1912-1922.	3.2	163
12	Perchlorate in Milk. <i>Environmental Science & Technology</i> , 2003, 37, 4979-4981.	4.6	151
13	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.	2.6	146
14	Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis. <i>Analytical Chemistry</i> , 1994, 66, 1792-1798.	3.2	133
15	Solubility of gaseous formaldehyde in liquid water and generation of trace standard gaseous formaldehyde. <i>Environmental Science & Technology</i> , 1986, 20, 637-640.	4.6	131
16	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.	1.1	123
17	Fast fluorometric flow injection analysis of formaldehyde in atmospheric water. <i>Environmental Science & Technology</i> , 1987, 21, 581-588.	4.6	119
18	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, 4545-4549.	3.2	118

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19	Review of analytical methods for the quantification of iodine in complex matrices. <i>Analytica Chimica Acta</i> , 2011, 702, 16-36.	2.6	117
20	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.	3.2	116
21	High-Sensitivity Gas Sensors Based on Gas-Permeable Liquid Core Waveguides and Long-Path Absorbance Detection. <i>Analytical Chemistry</i> , 1998, 70, 4661-4669.	3.2	114
22	Determination of acetone in breath. <i>Analytica Chimica Acta</i> , 2005, 535, 189-199.	2.6	112
23	Suppressed conductometric capillary electrophoresis separation systems. <i>Analytical Chemistry</i> , 1993, 65, 1003-1011.	3.2	111
24	Continuous Automated Measurement of the Soluble Fraction of Atmospheric Particulate Matter. <i>Analytical Chemistry</i> , 1995, 67, 71-78.	3.2	111
25	Wet effluent denuder coupled liquid/ion chromatography systems: annular and parallel plate denuders. <i>Analytical Chemistry</i> , 1993, 65, 1134-1139.	3.2	109
26	Iodine Nutrition: Iodine Content of Iodized Salt in the United States. <i>Environmental Science & Technology</i> , 2008, 42, 1315-1323.	4.6	107
27	Continuous Automated Measurement of Gaseous Nitrous and Nitric Acids and Particulate Nitrite and Nitrate. <i>Environmental Science & Technology</i> , 1995, 29, 1534-1541.	4.6	104
28	A field-deployable instrument for the measurement and speciation of arsenic in potable water. <i>Analytica Chimica Acta</i> , 1999, 380, 27-37.	2.6	102
29	Fluorometric flow injection determination of aqueous peroxides at nanomolar level using membrane reactors. <i>Analytical Chemistry</i> , 1986, 58, 1521-1524.	3.2	101
30	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.	5.8	100
31	Light-Emitting Diodes for Analytical Chemistry. <i>Annual Review of Analytical Chemistry</i> , 2014, 7, 183-207.	2.8	100
32	Perchlorate in Dairy Milk. Comparison of Japan versus the United States. <i>Environmental Science & Technology</i> , 2007, 41, 88-92.	4.6	99
33	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, 7346-7352.	3.2	92
34	Luminescence Detection with a Liquid Core Waveguide. <i>Analytical Chemistry</i> , 1999, 71, 1400-1407.	3.2	90
35	Temporal Patterns in Perchlorate, Thiocyanate, and Iodide Excretion in Human Milk. <i>Environmental Health Perspectives</i> , 2007, 115, 182-186.	2.8	90
36	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, 5338-5347.	3.2	87

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37	Continuous Automated Determination of Atmospheric Formaldehyde at the Parts Per Trillion Level. <i>Analytical Chemistry</i> , 1994, 66, 551-556.	3.2	86
38	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.	3.2	85
39	Gas-Phase Ion Association Provides Increased Selectivity and Sensitivity for Measuring Perchlorate by Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 4829-4835.	3.2	84
40	Thermodynamics of the hydrogen peroxide-water system. <i>Environmental Science & Technology</i> , 1985, 19, 255-258.	4.6	83
41	Measurement of atmospheric ammonia. <i>Environmental Science & Technology</i> , 1989, 23, 1467-1474.	4.6	83
42	Analytical Chemistry in a Liquid Film/Droplet. <i>Analytical Chemistry</i> , 1995, 67, 2562-2566.	3.2	80
43	Variations and sources of ambient formaldehyde for the 2008 Beijing Olympic games. <i>Atmospheric Environment</i> , 2010, 44, 2632-2639.	1.9	79
44	Perchlorate in seawater. <i>Analytica Chimica Acta</i> , 2006, 567, 100-107.	2.6	75
45	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.	2.6	75
46	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.	2.6	74
47	Perchlorate production by ozone oxidation of chloride in aqueous and dry systems. <i>Science of the Total Environment</i> , 2008, 405, 301-309.	3.9	74
48	Measurement of ambient nitrous acid and a reliable calibration source for gaseous nitrous acid. <i>Environmental Science & Technology</i> , 1991, 25, 255-260.	4.6	73
49	Measurement of Ammonia in Human Breath with a Liquid-Film Conductivity Sensor. <i>Analytical Chemistry</i> , 2006, 78, 7284-7291.	3.2	73
50	Wet effluent denuder coupled liquid/ion chromatography systems. <i>Analytical Chemistry</i> , 1991, 63, 1237-1242.	3.2	72
51	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.	3.2	69
52	Electrodialytic eluent production and gradient generation in ion chromatography. <i>Analytical Chemistry</i> , 1991, 63, 480-486.	3.2	68
53	Determination of Trace Perchlorate in High-Salinity Water Samples by Ion Chromatography with On-Line Preconcentration and Preelution. <i>Analytical Chemistry</i> , 2003, 75, 701-706.	3.2	68
54	Intake of Iodine and Perchlorate and Excretion in Human Milk. <i>Environmental Science & Technology</i> , 2008, 42, 8115-8121.	4.6	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. <i>Analytical Chemistry</i> , 2002, 74, 1256-1268.	3.2	66
56	Summertime Ambient Formaldehyde in Five U.S. Metropolitan Areas: Nashville, Atlanta, Houston, Philadelphia, and Tampa. <i>Environmental Science & Technology</i> , 2005, 39, 4767-4783.	4.6	65
57	Simultaneous photometric flow-injection determination of sulfide, polysulfide, sulfite, thiosulfate, and sulfate. <i>Analytical Chemistry</i> , 1991, 63, 427-432.	3.2	64
58	Open Tubular Anion Exchange Chromatography. Controlled Layered Architecture of Stationary Phase by Successive Condensation Polymerization. <i>Analytical Chemistry</i> , 2007, 79, 5462-5467.	3.2	64
59	Flow-injection analysis in the capillary format using electroosmotic pumping. <i>Analytica Chimica Acta</i> , 1992, 268, 1-6.	2.6	63
60	Electrodialytic membrane suppressor for ion chromatography. <i>Analytical Chemistry</i> , 1989, 61, 939-945.	3.2	61
61	Measurement of gaseous and aqueous trace formaldehyde. <i>Analytica Chimica Acta</i> , 2005, 531, 51-68.	2.6	61
62	Application of a nested loop system for the flow injection analysis of trace aqueous peroxides. <i>Analytical Chemistry</i> , 1985, 57, 1009-1012.	3.2	60
63	Measurement of Gases by a Suppressed Conductometric Capillary Electrophoresis Separation System. <i>Analytical Chemistry</i> , 1995, 67, 3853-3860.	3.2	60
64	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, 2251-2256.	4.6	60
65	Membrane interfaces for sample introduction in capillary zone electrophoresis. <i>Analytical Chemistry</i> , 1992, 64, 991-996.	3.2	59
66	A Capacitance Sensor for Water: Trace Moisture Measurement in Gases and Organic Solvents. <i>Analytical Chemistry</i> , 2012, 84, 8891-8897.	3.2	57
67	A diffusion scrubber for the collection of atmospheric gases. <i>Atmospheric Environment</i> , 1984, 18, 1593-1599.	1.1	56
68	Comparison of techniques for measurement of ambient levels of hydrogen peroxide. <i>Environmental Science & Technology</i> , 1988, 22, 53-61.	4.6	56
69	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.	2.6	56
70	Chemiluminescence detection with a liquid core waveguide. <i>Analytica Chimica Acta</i> , 1999, 398, 33-39.	2.6	54
71	Small-Volume Raman Spectroscopy with a Liquid Core Waveguide. <i>Analytical Chemistry</i> , 1999, 71, 2934-2938.	3.2	54
72	Measurement of atmospheric sulfur dioxide by diffusion scrubber coupled ion chromatography. <i>Analytical Chemistry</i> , 1989, 61, 19-24.	3.2	53

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73	Superheated water eluent capillary liquid chromatography. <i>Talanta</i> , 2002, 56, 977-987.	2.9	52
74	Field Instrument for Simultaneous Large Dynamic Range Measurement of Atmospheric Hydrogen Sulfide, Methanethiol, and Sulfur Dioxide. <i>Environmental Science & Technology</i> , 2004, 38, 1529-1536.	4.6	52
75	Nanocapillaries for Open Tubular Chromatographic Separations of Proteins in Femtoliter to Picoliter Samples. <i>Analytical Chemistry</i> , 2009, 81, 7428-7435.	3.2	52
76	Fluorimetric determination of trace hydrogen peroxide in water with a flow injection system. <i>Analytica Chimica Acta</i> , 1985, 170, 347-352.	2.6	51
77	Electroosmotically pumped capillary flow-injection analysis. <i>Analytica Chimica Acta</i> , 1993, 283, 739-745.	2.6	51
78	Photometric measurement of trace As(III) and As(V) in drinking water. <i>Talanta</i> , 2002, 58, 153-164.	2.9	51
79	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.	2.6	50
80	Fluorometric Field Instrument for Continuous Measurement of Atmospheric Hydrogen Sulfide. <i>Analytical Chemistry</i> , 2001, 73, 5716-5724.	3.2	50
81	Capillary ion chromatography. <i>Journal of Separation Science</i> , 2004, 27, 1441-1457.	1.3	50
82	Free Solution Hydrodynamic Separation of DNA Fragments from 75 to 106â€‰000 Base Pairs in A Single Run. <i>Journal of the American Chemical Society</i> , 2010, 132, 40-41.	6.6	50
83	Flow-injection extraction without phase separation based on dual-wavelength spectrophotometry. <i>Analytica Chimica Acta</i> , 1994, 288, 237-245.	2.6	49
84	Liquid Chromatographic Determination of Nitro-Substituted Polynuclear Aromatic Hydrocarbons by Sequential Electrochemical and Fluorescence Detection. <i>Analytical Chemistry</i> , 1996, 68, 1226-1232.	3.2	49
85	Compact, field-portable capillary ion chromatograph. <i>Journal of Chromatography A</i> , 1998, 804, 45-54.	1.8	49
86	Multipath cells for extending dynamic range of optical absorbance measurements. <i>Analytical Chemistry</i> , 1984, 56, 1401-1403.	3.2	48
87	Determination of hydrogen peroxide by photoinduced fluorogenic reactions. <i>Analytica Chimica Acta</i> , 1991, 243, 207-216.	2.6	48
88	Automated Measurement of Atmospheric Trace Gases. <i>Advances in Chemistry Series</i> , 1993, , 41-90.	0.6	47
89	Computer-Interfaced Bipolar Pulse Conductivity Detector for Capillary Systems. <i>Analytical Chemistry</i> , 1994, 66, 2537-2543.	3.2	47
90	Hybrid Microfabricated Device for Field Measurement of Atmospheric Sulfur Dioxide. <i>Analytical Chemistry</i> , 2002, 74, 5890-5896.	3.2	47

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91	A Continuous Analyzer for Soluble Anionic Constituents and Ammonium in Atmospheric Particulate Matter. <i>Environmental Science & Technology</i> , 2003, 37, 5711-5720.	4.6	47
92	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.	2.9	47
93	Poly(vinyl alcohol) Modified Porous Graphitic Carbon Stationary Phase for Hydrophilic Interaction Liquid Chromatography. <i>Analytical Chemistry</i> , 2016, 88, 4676-4681.	3.2	47
94	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, 1203-1210.	3.2	46
95	A Gas-Phase Chemiluminescence-Based Analyzer for Waterborne Arsenic. <i>Analytical Chemistry</i> , 2006, 78, 7088-7097.	3.2	46
96	A disposable blood cyanide sensor. <i>Analytica Chimica Acta</i> , 2013, 768, 129-135.	2.6	46
97	Annular helical suppressor for ion chromatography. <i>Analytical Chemistry</i> , 1984, 56, 103-105.	3.2	45
98	Determination of Oxidative Stability of Oils and Fats. <i>Analytical Chemistry</i> , 1999, 71, 1692-1698.	3.2	44
99	Sample processing method for the determination of perchlorate in milk. <i>Analytica Chimica Acta</i> , 2006, 567, 73-78.	2.6	44
100	Cobinamide-Based Cyanide Analysis by Multiwavelength Spectrometry in a Liquid Core Waveguide. <i>Analytical Chemistry</i> , 2010, 82, 6244-6250.	3.2	44
101	Capillary Scale Admittance Detection. <i>Analytical Chemistry</i> , 2014, 86, 11538-11546.	3.2	44
102	Optical fiber coupled light emitting diode based absorbance detector with a reflective flow cell. <i>Talanta</i> , 1999, 50, 481-490.	2.9	43
103	Durable Microfabricated High-Speed Humidity Sensors. <i>Analytical Chemistry</i> , 2004, 76, 2561-2567.	3.2	43
104	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.	2.9	43
105	Capillary Ion Chromatography with On-Line High-Pressure Electrolytic NaOH Eluent Production and Gradient Generation. <i>Analytical Chemistry</i> , 1997, 69, 1385-1391.	3.2	42
106	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.	0.9	42
107	An Automated Hydride Generation Interface to ICPMS for Measuring Total Arsenic in Environmental Samples. <i>Analytical Chemistry</i> , 2009, 81, 9737-9743.	3.2	42
108	Admittance Detector for High Impedance Systems: Design and Applications. <i>Analytical Chemistry</i> , 2014, 86, 11547-11553.	3.2	42

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109	Ion penetration through tubular ion exchange membranes. <i>Analytical Chemistry</i> , 1985, 57, 253-257.	3.2	41
110	Gradient anion chromatography with hydroxide and carbonate eluents using simultaneous conductivity and pH detection. <i>Analytical Chemistry</i> , 1987, 59, 802-808.	3.2	41
111	Rapid Point of Care Analyzer for the Measurement of Cyanide in Blood. <i>Analytical Chemistry</i> , 2011, 83, 4319-4324.	3.2	41
112	Porous membrane-based diffusion scrubber for the sampling of atmospheric gases. <i>Analyst, The</i> , 1986, 111, 87.	1.7	40
113	Trace determination of aqueous sulfite, sulfide and methanethiol by fluorometric flow injection analysis. <i>Analytical Chemistry</i> , 1986, 58, 2839-2844.	3.2	40
114	Amperometric microsensor for water. <i>Analytical Chemistry</i> , 1990, 62, 1935-1942.	3.2	40
115	Speciation-Capable Field Instrument for the Measurement of Arsenite and Arsenate in Water. <i>Analytical Chemistry</i> , 2005, 77, 4765-4773.	3.2	40
116	Automated measurement of urinary creatinine by multichannel kinetic spectrophotometry. <i>Analytical Biochemistry</i> , 2009, 384, 238-244.	1.1	40
117	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.	2.6	40
118	Simultaneous Electrolytic Preconcentration and Speciation of Chromium(III) and Chromium(VI). <i>Analytical Chemistry</i> , 2015, 87, 11575-11580.	3.2	40
119	Linear and helical flow in a perfluorosulfonate membrane of annular geometry as a continuous cation exchanger. <i>Analytical Chemistry</i> , 1984, 56, 96-103.	3.2	39
120	Determination of total mercury in water and urine by a gold film sensor following Fenton's reagent digestion. <i>Analytical Chemistry</i> , 1989, 61, 1230-1235.	3.2	39
121	Preconcentration/preelution ion chromatography for the determination of perchlorate in complex samples. <i>Talanta</i> , 2005, 65, 750-755.	2.9	39
122	Hybrid Fluorometric Flow Analyzer for Ammonia. <i>Analytical Chemistry</i> , 2006, 78, 1890-1896.	3.2	39
123	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.	4.6	39
124	Applications of in situ detection with an auto-mated micro batch analyzer. <i>Analytica Chimica Acta</i> , 1988, 214, 107-120.	2.6	38
125	Determination of sulfide and mercaptans in caustic scrubbing liquor. <i>Analytica Chimica Acta</i> , 1989, 226, 165-170.	2.6	38
126	Microscale Continuous Ion Exchanger. <i>Analytical Chemistry</i> , 2002, 74, 5667-5675.	3.2	38

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127	Trace Gas Measurement with an Integrated Porous Tube Collector/Long-Path Absorbance Detector. <i>Analytical Chemistry</i> , 2003, 75, 4050-4056.	3.2	38
128	An affordable high-performance optical absorbance detector for capillary systems. <i>Analytica Chimica Acta</i> , 1997, 342, 123-132.	2.6	37
129	Matrix interference free determination of perchlorate in urine by ion association ⁺ ion chromatography ⁺ mass spectrometry. <i>Analytica Chimica Acta</i> , 2006, 567, 79-86.	2.6	37
130	On-Line Gas-Free Electrodealytic Eluent Generator for Capillary Ion Chromatography. <i>Analytical Chemistry</i> , 2008, 80, 40-47.	3.2	37
131	Live HeLa Cells Preconcentrate and Differentiate Inorganic Arsenic Species. <i>Analytical Chemistry</i> , 2009, 81, 1291-1296.	3.2	37
132	Fiber Optic Sensor for Simultaneous Determination of Atmospheric Nitrogen Dioxide, Ozone, and Relative Humidity. <i>Analytical Chemistry</i> , 2009, 81, 4183-4191.	3.2	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. <i>Analytical Chemistry</i> , 2010, 82, 3467-3473.	3.2	37
134	Formaldehyde Content of Atmospheric Aerosol. <i>Environmental Science & Technology</i> , 2014, 48, 6636-6643.	4.6	37
135	Continuous Automated Measurement of Hexavalent Chromium in Airborne Particulate Matter. <i>Analytical Chemistry</i> , 2001, 73, 2034-2040.	3.2	36
136	On-Line Electrodealytic Salt Removal in Electrospray Ionization Mass Spectrometry of Proteins. <i>Analytical Chemistry</i> , 2011, 83, 1015-1021.	3.2	36
137	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.	3.2	35
138	Continuous On-Line True Titrations by Feedback-Based Flow Ratiometry. The Principle of Compensating Errors. <i>Analytical Chemistry</i> , 2000, 72, 4713-4720.	3.2	35
139	Measurement of gaseous hydrogen peroxide with a liquid core waveguide chemiluminescence detector. <i>Analytica Chimica Acta</i> , 2001, 442, 63-70.	2.6	35
140	High performance optical absorbance detectors based on low noise switched integrators. <i>Talanta</i> , 1993, 40, 1331-1338.	2.9	34
141	Dispersion in open tubular reactors of various geometries. <i>Analytica Chimica Acta</i> , 2001, 428, 163-171.	2.6	34
142	Liquid Chromatographic Arsenic Speciation with Gas-Phase Chemiluminescence Detection. <i>Analytical Chemistry</i> , 2007, 79, 9197-9204.	3.2	34
143	Quantitative study of chemical equilibria by flow injection analysis with diode array detection. <i>Analytical Chemistry</i> , 1986, 58, 326-330.	3.2	33
144	Auxiliary Electroosmotic Pumping in Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1994, 66, 3060-3065.	3.2	33

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145	An Open Tubular Ion Chromatograph. <i>Analytical Chemistry</i> , 2014, 86, 11554-11561.	3.2	33
146	Membrane-Based Parallel Plate Denuder for the Collection and Removal of Soluble Atmospheric Gases. <i>Analytical Chemistry</i> , 2004, 76, 1204-1210.	3.2	32
147	Perchlorate, iodine supplements, iodized salt and breast milk iodine content. <i>Science of the Total Environment</i> , 2012, 420, 73-78.	3.9	32
148	On-line electro-dialytic matrix isolation for chromatographic determination of organic acids in wine. <i>Journal of Chromatography A</i> , 2014, 1372, 18-24.	1.8	32
149	Low-Bleed Silica-Based Stationary Phase for Hydrophilic Interaction Liquid Chromatography. <i>Analytical Chemistry</i> , 2018, 90, 8750-8755.	3.2	32
150	Two-dimensional conductometric detection in ion chromatography: sequential suppressed and single column detection. <i>Analytical Chemistry</i> , 1993, 65, 1192-1198.	3.2	31
151	Measurement of Nitrophenols in Rain and Air by Two-Dimensional Liquid Chromatography with Chemically Active Liquid Core Waveguide Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 5838-5843.	3.2	31
152	Ion chromatographic separation of anions with ion interaction reagents and an annular helical suppressor. <i>Analytical Chemistry</i> , 1984, 56, 769-772.	3.2	30
153	Measurement of nitrogen dioxide and nitrous acid using gas-permeable liquid core waveguides. <i>Analytica Chimica Acta</i> , 2001, 431, 169-180.	2.6	30
154	Can Breath Isoprene Be Measured by Ozone Chemiluminescence?. <i>Analytical Chemistry</i> , 2007, 79, 2641-2649.	3.2	30
155	Metal Ion Chromatography with Fluorescence Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1987, 10, 3287-3319.	0.9	29
156	Sequential injection analysis in capillary format with an electroosmotic pump. <i>Talanta</i> , 1994, 41, 1903-1910.	2.9	29
157	Electromigration Injection from a Small Loop in Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1996, 68, 4291-4299.	3.2	29
158	A Multiple Parallel Plate Wetted Screen Diffusion Denuder for High-Flow Air Sampling Applications. <i>Analytical Chemistry</i> , 1997, 69, 5018-5023.	3.2	29
159	Hot eluent capillary liquid chromatography using zirconia and titania based stationary phases. <i>Analytica Chimica Acta</i> , 2000, 414, 71-78.	2.6	29
160	Use of a capacitance measurement device for surrogate noncontact conductance measurement. <i>Talanta</i> , 2008, 76, 617-620.	2.9	29
161	A Diffusion Scrubber for the Collection of Gaseous Nitric Acid. <i>Separation Science and Technology</i> , 1987, 22, 1255-1267.	1.3	28
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