Paul R Haddad

List of Publications by Year
in descending order

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110 papers	5,296 citations	46984 47 h-index	95218 68 g-index
112 all docs	112 docs citations	112 times ranked	2936 citing authors

#	Article	IF	Citations
1	Leaching and recovery of gold using ammoniacal thiosulfate leach liquors (a review). Hydrometallurgy, 2003, 69, 1-21.	1.8	218
2	Recent developments and emerging directions in ion chromatography. Journal of Chromatography A, 2008, 1184, 456-473.	1.8	183
3	Ion chromatographic determination of hydrolysis products of hexafluorophosphate salts in aqueous solution. Analytica Chimica Acta, 2012, 714, 121-126.	2.6	133
4	Identification of Inorganic Improvised Explosive Devices by Analysis of Postblast Residues Using Portable Capillary Electrophoresis Instrumentation and Indirect Photometric Detection with a Light-Emitting Diode. Analytical Chemistry, 2007, 79, 7005-7013.	3.2	125
5	Latex-Coated Polymeric Monolithic Ion-Exchange Stationary Phases. 1. Anion-Exchange Capillary Electrochromatography and In-Line Sample Preconcentration in Capillary Electrophoresis. Analytical Chemistry, 2005, 77, 407-416.	3.2	118
6	Determination of metal ions by capillary electrophoresis. Electrophoresis, 1997, 18, 2482-2501.	1.3	117
7	Determination of aluminium in natural water samples. Analytica Chimica Acta, 2007, 588, 153-165.	2.6	114
8	Comparison of ion chromatography and capillary electrophoresis for the determination of inorganic ions. Journal of Chromatography A, 1997, 770, 281-290.	1.8	112
9	Latex-Coated Polymeric Monolithic Ion-Exchange Stationary Phases. 2. Micro-Ion Chromatography. Analytical Chemistry, 2005, 77, 417-423.	3.2	109
10	The determination of trace metal pollutants in environmental matrices using ion chromatography. Environment International, 2004, 30, 403-431.	4.8	105
11	Indirect photometric detection of anions in capillary electrophoresis. Journal of Chromatography A, 1999, 834, 189-212.	1.8	103
12	On-Column Ion-Exchange Preconcentration of Inorganic Anions in Open Tubular Capillary Electrochromatography with Elution Using Transient-Isotachophoretic Gradients. 3. Implementation and Method Development. Analytical Chemistry, 2002, 74, 2112-2118.	3.2	101
13	Developments in sample preparation and separation techniques for the determination of inorganic ions by ion chromatography and capillary electrophoresis. Journal of Chromatography A, 1999, 856, 145-177.	1.8	98
14	Separation and sample pre-treatment in bioanalysis using monolithic phases: A review. Analytica Chimica Acta, 2009, 652, 22-31.	2.6	98
15	Identification of inorganic ions in postâ€blast explosive residues using portable CE instrumentation and capacitively coupled contactless conductivity detection. Electrophoresis, 2008, 29, 4593-4602.	1.3	96
16	Identification of homemade inorganic explosives by ion chromatographic analysis of post-blast residues. Journal of Chromatography A, 2008, 1182, 205-214.	1.8	86
17	Changes in Electrolyte pH Due to Electrolysis during Capillary Zone Electrophoresis. Analytical Chemistry, 1998, 70, 743-749.	3.2	85
18	Separation of uranium(VI) and lanthanides by capillary electrophoresis using on-capillary complexation with arsenazo III. Journal of Chromatography A, 1998, 803, 279-290.	1.8	82

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19	Towards high capacity latex-coated porous polymer monoliths as ion-exchange stationary phases. Analyst, The, 2006, 131, 215-221.	1.7	79
20	Evaluation of carrier electrolytes for capillary zone electrophoresis of low-molecular-mass anions with indirect UV detection. Journal of Chromatography A, 1994, 671, 397-402.	1.8	78
21	Zwitterionic Ion-Exchangers in Liquid Chromatography.. Analytical Sciences, 2000, 16, 565-574.	0.8	78
22	Identification of Inorganic Improvised Explosive Devices Using Sequential Injection Capillary Electrophoresis and Contactless Conductivity Detection. Analytical Chemistry, 2011, 83, 9068-9075.	3.2	71
23	Preparation and characterisation of anion-exchange latex-coated silica monoliths for capillary electrochromatography. Journal of Chromatography A, 2006, 1109, 10-18.	1.8	70
24	Capillary electrophoresis of inorganic ions and low-molecular-mass ionic solutes. TrAC - Trends in Analytical Chemistry, 1993, 12, 231-238.	5.8	69
25	Separation of metallo-cyanide complexes by capillary zone electrophoresis. Journal of Chromatography A, 1994, 687, 343-349.	1.8	69
26	Enhancement of detection sensitivity for indirect photometric detection of anions and cations in capillary electrophoresis. Electrophoresis, 2003, 24, 2150-2167.	1.3	69
27	Separation of antidepressants by capillary electrophoresis with in-line solid-phase extraction using a novel monolithic adsorbent. Analytica Chimica Acta, 2006, 556, 104-111.	2.6	68
28	On-Capillary Ion-Exchange Preconcentration of Inorganic Anions in Open-Tubular Capillary Electrochromatography with Elution Using Transient-Isotachophoretic Gradients. 2. Characterization of the Isotachophoretic Gradient. Analytical Chemistry, 2001, 73, 820-828.	3.2	65
29	Chromatographic and electrophoretic separation of inorganic sulfur and sulfurâ€“oxygen species. Analytica Chimica Acta, 2001, 432, 165-192.	2.6	65
30	Separation of inorganic and organic anionic components of Bayer liquor by capillary zone electrophoresis I. Optimisation of resolution with electrolyte-containing surfactant mixtures. Journal of Chromatography A, 1995, 706, 571-578.	1.8	64
31	Critical comparison of retention models for optimisation of the separation of anions in ion chromatography. Journal of Chromatography A, 1998, 829, 65-80.	1.8	63
32	Anion-exchange capillary electrochromatography with indirect UV and direct contactless conductivity detection. Electrophoresis, 2001, 22, 1273-1281.	1.3	63
33	A Mechanism of Separation in Electrostatic Ion Chromatography. Analytical Chemistry, 2001, 73, 3022-3027.	3.2	60
34	Ion chromatography on-chip. Journal of Chromatography A, 2001, 924, 233-238.	1.8	59
35	On-line simultaneous and rapid separation of anions and cations from a single sample using dual-capillary sequential injection-capillary electrophoresis. Analytica Chimica Acta, 2013, 781, 80-87.	2.6	58
36	Critical comparison of retention models for the optimisation of the separation of anions in ion chromatography. Journal of Chromatography A, 1999, 850, 29-41.	1.8	57

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37	Advances in detection techniques for ion chromatography. Journal of Chromatography A, 1997, 789, 67-83.	1.8	56
38	Monolithic stationary phases for fast ion chromatography and capillary electrochromatography of inorganic ions. Journal of Separation Science, 2006, 29, 1705-1719.	1.3	56
39	Critical comparison of retention models for optimisation of the separation of anions in ion chromatography. Journal of Chromatography A, 1999, 837, 65-74.	1.8	53
40	Ion chromatography on a latex-coated silica monolith column. Journal of Chromatography A, 2007, 1155, 8-14.	1.8	53
41	Performance of a simple UV LED light source in the capillary electrophoresis of inorganic anions with indirect detection using a chromate background electrolyte. Analyst, The, 2002, 127, 1564-1567.	1.7	52
42	Forensic Identification of Inorganic Explosives by Ion Chromatography. Analytical Letters, 2006, 39, 639-657.	1.0	52
43	Optimisation of indirect UV detection in capillary zone electrophoresis of low-molecular-mass anions. TrAC - Trends in Analytical Chemistry, 1994, 13, 313-319.	5.8	49
44	Miniaturized movable contactless conductivity detection cell for capillary electrophoresis. Electrophoresis, 2003, 24, 2144-2149.	1.3	49
45	Design and performance of a light-emitting diode detector compatible with a commercial capillary electrophoresis instrument. Electrophoresis, 2004, 25, 3145-3152.	1.3	48
46	Design of background electrolytes for indirect detection of anions by capillary electrophoresis. TrAC - Trends in Analytical Chemistry, 2000, 19, 10-17.	5.8	47
47	On-line preconcentration of organic anions in capillary electrophoresis by solid-phase extraction using latex-coated monolithic stationary phases. Journal of Chromatography A, 2006, 1106, 43-51.	1.8	47
48	Modelling of cation retention in ion chromatography using fixed-site and dynamically coated ion-exchange columns. Journal of Chromatography A, 1990, 500, 301-312.	1.8	45
49	Use of dyes as indirect detection probes for the high-sensitivity determination of anions by capillary electrophoresis. Journal of Chromatography A, 1998, 804, 327-336.	1.8	45
50	Optimisation of separation selectivity in capillary zone electrophoresis of inorganic anions using binary cationic surfactant mixtures. Journal of Chromatography A, 1994, 685, 161-165.	1.8	43
51	System peaks in capillary zone electrophoresis. 3. Practical rules for predicting the existence of system peaks in capillary zone electrophoresis of anions using indirect spectrophotometric detection. Electrophoresis, 1997, 18, 1998-2007.	1.3	41
52	Electrostatic ion chromatography. TrAC - Trends in Analytical Chemistry, 1998, 17, 73-79.	5.8	41
53	On-column matrix elimination of high levels of chloride and sulfate in non-suppressed ion chromatography. Journal of Chromatography A, 1991, 546, 221-228.	1.8	38
54	Ion-exchange and hydrophobic interactions affecting selectivity for neutral and charged solutes on three structurally similar agglomerated ion-exchange and mixed-mode stationary phases. Analytica Chimica Acta, 2013, 803, 143-153.	2.6	37

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55	Control of separation selectivity in capillary zone electrophoresis of inorganic anions. Journal of Chromatography A, 1999, 834, 213-232.	1.8	36
56	Indirect photomeric detection of anions in capillary electrophoresis using dyes as probes and electrolytes buffered with an isoelectric ampholyte. Electrophoresis, 2000, 21, 1312-1319.	1.3	35
57	Chelation ion chromatography of trace metal ions using metallochromic ligands. TrAC - Trends in Analytical Chemistry, 1999, 18, 107-114.	5.8	34
58	Indirect spectrophotometric detection of inorganic anions in ion-exchange capillary electrochromatography. Electrophoresis, 2000, 21, 3073-3080.	1.3	33
59	Simulation and Optimization of Retention in Ion Chromatography Using Virtual Column 2 Software. Analytical Chemistry, 2002, 74, 6023-6030.	3.2	33
60	Capillary electrophoresis using high ionic strength background electrolytes containing zwitterionic and non-ionic surfactants and its application to direct determination of bromide and nitrate in seawater. Analytical and Bioanalytical Chemistry, 2002, 372, 181-186.	1.9	33
61	Monolithic cryopolymers with embedded nanoparticles. I. Capillary liquid chromatography of proteins using neutral embedded nanoparticles. Journal of Chromatography A, 2013, 1273, 26-33.	1.8	33
62	Electrodialysis for clean-up of strongly alkaline samples in ion chromatography. Journal of Chromatography A, 1993, 640, 135-143.	1.8	32
63	Optimisation of the separation of anions by ion chromatographyâ€“capillary electrophoresis using indirect UV detection. Journal of Chromatography A, 2001, 920, 31-40.	1.8	32
64	Use of ionic polymers as stationary and pseudo-stationary phases in the separation of ions by capillary electrophoresis and capillary electrochromatography. Journal of Chromatography A, 2002, 942, 11-32.	1.8	32
65	Monolithic Phases for Ion Chromatography. Annual Review of Analytical Chemistry, 2011, 4, 197-226.	2.8	32
66	Manipulation of separation selectivity for inorganic anions in capillary zone electrophoresis using control of electrolyte pH. Journal of Chromatography A, 1996, 734, 416-421.	1.8	31
67	Manipulation of separation selectivity for alkali metals and ammonium in ion-exchange capillary electrochromatography using a suspension of cation exchange particles in the electrolyte as a pseudostationary phase. Electrophoresis, 1999, 20, 1987-1992.	1.3	31
68	Peak shapes in open tubular ion-exchange capillary electrochromatography of inorganic anions. Journal of Chromatography A, 2000, 892, 303-313.	1.8	29
69	Recent significant developments in detection and method development for the determination of inorganic ions by CE. Electrophoresis, 2009, 30, S53-67.	1.3	29
70	Determination of barium and strontium by capillary zone electrophoresis using an electrolyte containing sulfonazo III. Journal of Chromatography A, 1997, 767, 303-310.	1.8	28
71	Highly sensitive indirect photometric detection of cations by capillary electrophoresis with the cationic dye chrysoidine. Journal of Chromatography A, 2003, 997, 87-94.	1.8	28
72	Use of coupled open-tubular capillaries for in-line ion-exchange preconcentration of anions by capillary electrochromatography with elution by a transient isotachophoretic gradient. Journal of Chromatography A, 2004, 1039, 187-192.	1.8	28

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73	Separation of inorganic anions on a high capacity porous polymeric monolithic column and application to direct determination of anions in seawater. Journal of Separation Science, 2008, 31, 2598-2604.	1.3	27
74	Determination of free cyanide in gold cyanidation process liquors by ion-interaction chromatography with post-column derivatization. Journal of Chromatography A, 1991, 550, 559-571.	1.8	25
75	Electrostatic ion chromatography using dilute electrolytes as eluents: a new method for separation of anions. Analytical Communications, 1998, 35, 317-320.	2.2	25
76	Determination of inorganic anions by capillary electrochromatography. TrAC - Trends in Analytical Chemistry, 2001, 20, 355-364.	5.8	23
77	Manipulation of separation selectivity in capillary zone electrophoresis of anionic solutes. TrAC - Trends in Analytical Chemistry, 2001, 20, 375-385.	5.8	23
78	Determination of trace uranyl in saline samples using chelation ion chromatography. Analytical Communications, 1998, 35, 13-16.	2.2	22
79	Dithizone derivatives as sensitive water soluble chromogenic reagents for the ion chromatographic determination of inorganic and organo-mercury in aqueous matrices. Analyst, The, 2003, 128, 1209.	1.7	22
80	System Design and Emerging Hardware Technology for Ion Chromatography. Chromatographia, 2017, 80, 689-704.	0.7	22
81	Electrochemical Detectors for Ion Chromatographic Analysis: A Critical Review. CRC Critical Reviews in Analytical Chemistry, 1988, 20, 1-74.	2.3	21
82	Optimisation of selectivity in the separation of metallo-cyanide complexes by ion-interaction liquid chromatography. Journal of Chromatography A, 1997, 770, 3-11.	1.8	21
83	Peer Reviewed: Ion Chromatography Retrospective. Analytical Chemistry, 2001, 73, 266 A-273 A.	3.2	21
84	On-line analysis of alkaline samples with a flow-through electrodialysis device coupled to an ion chromatograph. Journal of Chromatography A, 1994, 671, 131-139.	1.8	20
85	Determination of pharmaceutically related compounds by suppressed ion chromatography: I. Effects of organic solvent on suppressor performance. Journal of Chromatography A, 2011, 1218, 9037-9045.	1.8	20
86	Coupled reversed-phase and ion chromatographic system for the simultaneous identification of inorganic and organic explosives. Journal of Chromatography A, 2011, 1218, 3007-3012.	1.8	20
87	Determination of pharmaceutically related compounds by suppressed ion chromatography: IV. Interfacing ion chromatography with universal detectors. Journal of Chromatography A, 2012, 1253, 44-51.	1.8	20
88	Modelling and optimization of the separation of anions in ion chromatography - capillary electrophoresis. Electrophoresis, 2000, 21, 3181-3190.	1.3	19
89	Application of high-performance liquid chromatography to the investigation of free radical reactions in biological systems. TrAC - Trends in Analytical Chemistry, 2000, 19, 492-497.	5.8	19
90	Monolithic cryopolymers with embedded nanoparticles. II. Capillary liquid chromatography of proteins using charged embedded nanoparticles. Journal of Chromatography A, 2013, 1311, 121-126.	1.8	18

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91	Use of suppressors for signal enhancement of weakly-acidic analytes in ion chromatography with universal detection methods. TrAC - Trends in Analytical Chemistry, 2012, 40, 119-132.	5.8	17
92	Optimisation of probe concentration in indirect photometric detection in capillary electrophoresis using highly absorbing dyes. Electrophoresis, 2002, 23, 43.	1.3	16
93	Factors influencing the choice of buffer in background electrolytes for indirect detection of fast anions by capillary electrophoresis. Electrophoresis, 1998, 19, 2257-2261.	1.3	15
94	Isoelectric Buffers for Capillary Electrophoresis. 2. Bismorpholine Derivative of a Carboxylic Acid as a Low Molecular Weight Isoelectric Buffer. Analytical Chemistry, 2005, 77, 120-125.	3.2	15
95	Dialytic clean-up of alkaline samples prior to ion chromatographic analysis. Journal of Chromatography A, 1992, 602, 57-63.	1.8	14
96	Ion chromatographic analysis of cyanate in gold processing samples containing large concentrations of copper(I) and other metallocyanide complexes. Journal of Chromatography A, 1997, 770, 175-183.	1.8	14
97	A new high-performance chelation ion chromatographic system for the direct determination of trace transition metals in fuel ethanol. Analytical Methods, 2010, 2, 1565.	1.3	14
98	Probing the kinetic performance limits for ion chromatography. II. Gradient conditions for small ions. Journal of Chromatography A, 2010, 1217, 5063-5068.	1.8	14
99	Computer Optimization in Ion Chromatography. Journal of Chromatographic Science, 1989, 27, 456-461.	0.7	13
100	Capillary ion chromatography with on-column focusing for ultra-trace analysis of methanesulfonate and inorganic anions in limited volume Antarctic ice core samples. Journal of Chromatography A, 2015, 1409, 182-188.	1.8	12
101	Determination of phosphorus by sample combustion followed by non-suppressed ion chromatography. Journal of Chromatography A, 1995, 706, 199-207.	1.8	10
102	Computer optimization of background electrolyte composition in the separation of metal ions by capillary electrophoresis. Electrophoresis, 1996, 17, 1367-1372.	1.3	10
103	Probing the kinetic performance limits for ion chromatography. I. Isocratic conditions for small ions. Journal of Chromatography A, 2010, 1217, 5057-5062.	1.8	8
104	Micellar electrokinetic chromatography of organic and peroxide-based explosives. Analytica Chimica Acta, 2015, 876, 91-97.	2.6	7
105	Extraction of carbaryl from stored rice, maize, peas and sunflower seeds prior to chromatographic analysis. Pest Management Science, 1992, 34, 215-219.	0.6	5
106	Application of capillary ion chromatography and capillary ion chromatography coupled with mass spectrometry to determine methanesulfonate and inorganic anions in microliter sample volumes of Antarctic snow and ice. Analytical Methods, 2016, 8, 7650-7660.	1.3	4
107	Sub-1 mL sample requirement for simultaneous determination of 17 organic and inorganic anions and cations in Antarctic ice core samples by dual capillary ion chromatography. Analytica Chimica Acta, 2019, 1063, 167-177.	2.6	4
108	Chapter 13 Inorganic species. Journal of Chromatography Library, 2004, 69, 519-585.	0.1	2

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109	Enhancement of Separation Capability of Inorganic Ions by Capillary Electrochromatography. Bunseki Kagaku, 2005, 54, 107-120.	0.1	2
110	Fast and sensitive determination of aluminium with RP-HPLC using an ultra-short monolithic column. Analytical Methods, 2011, 3, 2488.	1.3	2