Brett Paull

List of Publications by Year
in descending order

301 papers	9,229 citations	53660 45 h-index	71532 76 g-index
303 all docs	303 docs citations	303 times ranked	8791 citing authors

#	Article	IF	Citations
1	3D printed microfluidic devices: enablers and barriers. Lab on A Chip, 2016, 16, 1993-2013.	3.1	816
2	Adsorption and Desorption of Methylene Blue on Porous Carbon Monoliths and Nanocrystalline Cellulose. ACS Applied Materials & Interfaces, 2013, 5, 8796-8804.	4.0	302
3	Comparing Microfluidic Performance of Three-Dimensional (3D) Printing Platforms. Analytical Chemistry, 2017, 89, 3858-3866.	3.2	300
4	Recent developments in 3D printable composite materials. RSC Advances, 2016, 6, 60355-60371.	1.7	235
5	A year-long study of the spatial occurrence and relative distribution of pharmaceutical residues in sewage effluent, receiving marine waters and marine bivalves. Science of the Total Environment, 2014, 476-477, 317-326.	3.9	198
6	Using environmental analytical data to estimate levels of community consumption of illicit drugs and abused pharmaceuticals. Journal of Environmental Monitoring, 2007, 9, 701.	2.1	173
7	A 3D printable diamond polymer composite: a novel material for fabrication of low cost thermally conducting devices. RSC Advances, 2016, 6, 38140-38147.	1.7	113
8	Predicting sorption of pharmaceuticals and personal care products onto soil and digested sludge using artificial neural networks. Analyst, The, 2009, 134, 663.	1.7	105
9	Current and future impact of 3D printing on the separation sciences. TrAC - Trends in Analytical Chemistry, 2018, 105, 492-502.	5.8	101
10	High-capacity gold nanoparticle functionalised polymer monoliths. Chemical Communications, 2010, 46, 2109.	2.2	96
11	Multi-residue determination of pharmaceuticals in sludge and sludge enriched soils using pressurized liquid extraction, solid phase extraction and liquid chromatography with tandem mass spectrometry. Journal of Environmental Monitoring, 2008, 10, 353.	2.1	92
12	On-line preconcentration of pharmaceutical residues from large volume water samples using short reversed-phase monolithic cartridges coupled to LC-UV-ESI-MS. Talanta, 2006, 70, 1117-1128.	2.9	91
13	Rapid determination of nitrate and nitrite in drinking water samples using ion-interaction liquid chromatography. Analytica Chimica Acta, 2001, 441, 53-62.	2.6	90
14	3D printed metal columns for capillary liquid chromatography. Analyst, The, 2014, 139, 6343-6347.	1.7	87
15	Review on recent and advanced applications of monoliths and related porous polymer gels in micro-fluidic devices. Analytica Chimica Acta, 2010, 668, 100-113.	2.6	83
16	Zwitterionic ion-exchangers in ion chromatography: A review of recent developments. Analytica Chimica Acta, 2009, 652, 3-21.	2.6	81
17	Pipette-tip selective extraction of glycoproteins with lectin modified gold nano-particles on a polymer monolithic phase. Analyst, The, 2011, 136, 2619.	1.7	74
18	Three-Dimensional Printing of Abrasive, Hard, and Thermally Conductive Synthetic Microdiamondâ€“Polymer Composite Using Low-Cost Fused Deposition Modeling Printer. ACS Applied Materials & Interfaces, 2019, 11, 4353-4363.	4.0	73

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19	New possibilities in ion chromatography using porous monolithic stationary-phase media. TrAC - Trends in Analytical Chemistry, 2005, 24, 295-303.	5.8	67
20	New Method for the Rapid Extraction of Natural Products: Efficient Isolation of Shikimic Acid from Star Anise. Organic Letters, 2015, 17, 2428-2430.	2.4	66
21	Recent advances in stir-bar sorptive extraction: Coatings, technical improvements, and applications. Analytica Chimica Acta, 2020, 1139, 222-240.	2.6	66
22	Nano-particle modified stationary phases for high-performance liquid chromatography. Analyst, The, 2013, 138, 4229.	1.7	65
23	3D printed titanium micro-bore columns containing polymer monoliths for reversed-phase liquid chromatography. Analytica Chimica Acta, 2016, 910, 84-94.	2.6	64
24	Fully automated, low-cost ion chromatography system for in-situ analysis of nitrite and nitrate in natural waters. Talanta, 2020, 216, 120955.	2.9	60
25	High-performance chelation ion chromatographic determination of trace metals in coastal sea-water using dye-impregnated resins. Analyst, The, 1994, 119, 937.	1.7	55
26	Ion exchange properties of monolithic and particle type iminodiacetic acid modified silica. Journal of Separation Science, 2004, 27, 921-930.	1.3	55
27	Using ion chromatography to monitor haloacetic acids in drinking water: a review of current technologies. Journal of Chromatography A, 2004, 1046, 1-9.	1.8	55
28	Simultaneous determination of trace oxyhalides and haloacetic acids using suppressed ion chromatography-electrospray mass spectrometry. Talanta, 2006, 69, 621-630.	2.9	55
29	Combined Contactless Conductometric, Photometric, and Fluorimetric Single Point Detector for Capillary Separation Methods. Analytical Chemistry, 2010, 82, 129-135.	3.2	55
30	Polymeric monolithic materials modified with nanoparticles for separation and detection of biomolecules: A review. Proteomics, 2012, 12, 2904-2917.	1.3	55
31	Low-Cost Passive Sampling Device with Integrated Porous Membrane Produced Using Multimaterial 3D Printing. Analytical Chemistry, 2018, 90, 12081-12089.	3.2	55
32	Polystyrene bead-based system for optical sensing using spiropyran photoswitches. Journal of Materials Chemistry, 2008, 18, 5063.	6.7	54
33	Fast ion chromatography of inorganic anions and cations on a lysine bonded porous silica monolith. Journal of Chromatography A, 2005, 1075, 167-175.	1.8	53
34	Inorganic monoliths in separation science: A review. Analytica Chimica Acta, 2012, 750, 28-47.	2.6	53
35	Direct Production of Microstructured Surfaces for Planar Chromatography Using 3D Printing. Analytical Chemistry, 2017, 89, 2457-2463.	3.2	53
36	Instrument-free argentometric determination of chloride via trapezoidal distance-based microfluidic paper devices. Analytica Chimica Acta, 2019, 1063, 1-8.	2.6	53

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37	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
38	The determination of pharmaceutical residues in cooked and uncooked marine bivalves using pressurised liquid extraction, solid-phase extraction and liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 9509-9521.	1.9	52
39	Chromatographic methods for the isolation, separation and characterisation of dissolved organic matter. Environmental Sciences: Processes and Impacts, 2015, 17, 1531-1567.	1.7	52
40	Performance of a New 235 nm UV-LED-Based On-Capillary Photometric Detector. Analytical Chemistry, 2016, 88, 12116-12121.	3.2	52
41	Recent advances in open tubular capillary liquid chromatography. Analyst, The, 2019, 144, 3464-3482.	1.7	51
42	Novel ion chromatographic stationary phases for the analysis of complex matrices. Analyst, The, 2005, 130, 134.	1.7	50
43	3D printed LED based on-capillary detector housing with integrated slit. Analytica Chimica Acta, 2017, 965, 131-136.	2.6	49
44	Rapid, low pressure, and simultaneous ion chromatography of common inorganic anions and cations on short permanently coated monolithic columns. Journal of Separation Science, 2004, 27, 912-920.	1.3	47
45	Diamond based adsorbents and their application in chromatography. Journal of Chromatography A, 2014, 1357, 68-86.	1.8	47
46	The degradation characteristics of microbial biomass in soil. Geochimica Et Cosmochimica Acta, 2011, 75, 2571-2581.	1.6	46
47	Determination of trace labile copper in environmental waters by magnetic nanoparticle solid phase extraction and high-performance chelation ion chromatography. Talanta, 2015, 135, 155-162.	2.9	46
48	Porogens and porogen selection in the preparation of porous polymer monoliths. Journal of Separation Science, 2020, 43, 56-69.	1.3	46
49	Determination of calcium and magnesium in water samples by high-performance liquid chromatography on a graphitic stationary phase with a mobile phase containing o-cresolphthalein complexone. Journal of Chromatography A, 1997, 789, 329-337.	1.8	45
50	Miniature and fully portable gradient capillary liquid chromatograph. Analytica Chimica Acta, 2020, 1101, 199-210.	2.6	45
51	Capillary ion chromatography of inorganic anions on octadecyl silica monolith modified with an amphoteric surfactant. Journal of Chromatography A, 2007, 1142, 185-193.	1.8	43
52	Sensitive and selective ion chromatographic method for the determination of trace beryllium in water samples. Journal of Chromatography A, 2001, 910, 301-309.	1.8	42
53	Fast ion chromatography of common inorganic anions on a short ODS column permanently coated with didodecyldimethylammonium bromide. Journal of Chromatography A, 2002, 953, 299-303.	1.8	42
54	Porous Graphitized Carbon Monolith as an Electrode Material for Probing Direct Bioelectrochemistry and Selective Detection of Hydrogen Peroxide. Analytical Chemistry, 2012, 84, 2351-2357.	3.2	42

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55	Porous layer open tubular columns in capillary liquid chromatography. Analyst, The, 2014, 139, 1292-1302.	1.7	42
56	Investigating the Effect of Column Geometry on Separation Efficiency using 3D Printed Liquid Chromatographic Columns Containing Polymer Monolithic Phases. Analytical Chemistry, 2018, 90, 1186-1194.	3.2	42
57	Fabrication of Humidity Sensor Using 3D Printable Polymer Composite Containing Boron-Doped Diamonds and LiCl. ACS Applied Materials & Interfaces, 2020, 12, 4962-4969.	4.0	42
58	Direct sector field ICP-MS determination of metal impurities in detonation nanodiamond. Carbon, 2013, 60, 326-334.	5.4	41
59	Thread based electrofluidic platform for direct metabolite analysis in complex samples. Analytica Chimica Acta, 2018, 1000, 283-292.	2.6	41
60	Determination of barium and strontium in calcium-containing matrices using high-performance chelation ion chromatography. Journal of Chromatography A, 1994, 673, 173-179.	1.8	40
61	Retention modelling of electrostatic and adsorption effects of aliphatic and aromatic carboxylic acids in ion-exclusion chromatography. Journal of Chromatography A, 1999, 850, 17-27.	1.8	40
62	Ionic strength, pH and temperature effects upon selectivity for transition and heavy metal ions when using chelation ion chromatography with an iminodiacetic acid bonded silica gel column and simple inorganic eluents. Journal of Chromatography A, 2002, 942, 73-82.	1.8	40
63	Screening of elemental impurities in commercial detonation nanodiamond using sector field inductively coupled plasma-mass spectrometry. Journal of Materials Science, 2014, 49, 3573-3591.	1.7	40
64	A comparative study of the metal selective properties of chelating dye impregnated resins for the ion chromatographic separation of trace metals. Chromatographia, 1996, 42, 528-538.	0.7	39
65	Determination of urinary thiocyanate and nitrate using fast ion-interaction chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 767, 175-180.	1.2	39
66	Enhanced physicochemical properties of polydimethylsiloxane based microfluidic devices and thin films by incorporating synthetic micro-diamond. Scientific Reports, 2017, 7, 15109.	1.6	39
67	Iminodiacetic acid functionalised monolithic silica chelating ion exchanger for rapid determination of alkaline earth metal ions in high ionic strength samples. Analyst, The, 2003, 128, 417-420.	1.7	38
68	Use of contactless conductivity detection for non-invasive characterisation of monolithic stationary-phase coatings for application in capillary ion chromatography. Analyst, The, 2007, 132, 1238.	1.7	38
69	Spiropyran modified micro-fluidic chip channels as photonically controlled self-indicating system for metal ion accumulation and release. Sensors and Actuators B: Chemical, 2009, 140, 295-303.	4.0	38
70	Visible light initiated polymerization of styrenic monolithic stationary phases using 470â€‰nm light emitting diode arrays. Journal of Separation Science, 2010, 33, 61-66.	1.3	38
71	Controlled Ultraviolet (UV) Photoinitiated Fabrication of Monolithic Porous Layer Open Tubular (monoPLOT) Capillary Columns for Chromatographic Applications. Analytical Chemistry, 2012, 84, 3465-3472.	3.2	38
72	Facile Development of a Fiber-Based Electrode for Highly Selective and Sensitive Detection of Dopamine. ACS Sensors, 2019, 4, 2599-2604.	4.0	38

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73	Life-Saving Threads: Advances in Textile-Based Analytical Devices. ACS Combinatorial Science, 2019, 21, 229-240.	3.8	38
74	Integrated 3D printed heaters for microfluidic applications: Ammonium analysis within environmental water. Analytica Chimica Acta, 2020, 1098, 94-101.	2.6	38
75	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
76	Quantitative capillary zone electrophoresis of inorganic anions. Electrophoresis, 2003, 24, 1892-1934.	1.3	36
77	Determination of haloacetic acids in drinking water using suppressed micro-bore ion chromatography with solid phase extraction. Analytica Chimica Acta, 2004, 522, 153-161.	2.6	36
78	Low pressure ion chromatography with a low cost paired emitterâ€“detector diode based detector for the determination of alkaline earth metals in water samples. Analytica Chimica Acta, 2006, 577, 32-37.	2.6	36
79	Photoinitiated polymerisation of monolithic stationary phases in polyimide coated capillaries using visible region LEDs. Chemical Communications, 2008, , 6504.	2.2	36
80	Deep-UV-LEDs in photometric detection: A 255 nm LED on-capillary detector in capillary electrophoresis. Analyst, The, 2009, 134, 2394.	1.7	36
81	Prospects of pulsed amperometric detection in flow-based analytical systems - A review. Analytica Chimica Acta, 2019, 1052, 10-26.	2.6	36
82	Evaluation of photografted charged sites within polymer monoliths in capillary columns using contactless conductivity detection. Journal of Separation Science, 2007, 30, 3060-3068.	1.3	35
83	UV-LED photopolymerised monoliths. Analyst, The, 2008, 133, 864.	1.7	35
84	Chelation ion chromatography of trace metal ions using metallochromic ligands. TrAC - Trends in Analytical Chemistry, 1999, 18, 107-114.	5.8	34
85	Determination of trace alkaline earth metals in brines using chelation ion chromatography with an iminodiacetic acid bonded silica column. Journal of Chromatography A, 2001, 907, 191-200.	1.8	34
86	Low-pressure gradient micro-ion chromatography with ultra-short monolithic anion exchange column. Analyst, The, 2004, 129, 700.	1.7	34
87	Retention of alkali, alkaline earth and transition metals on an itaconic acid cation-exchange column. Journal of Chromatography A, 2002, 964, 113-122.	1.8	33
88	Use of temperature programming to improve resolution of inorganic anions, haloacetic acids and oxyhalides in drinking water by suppressed ion chromatography. Journal of Chromatography A, 2005, 1072, 207-215.	1.8	33
89	Robust monolithic silica-based on-chip electro-osmotic micro-pump. Analyst, The, 2007, 132, 417.	1.7	33
90	Micro-bore titanium housed polymer monoliths for reversed-phase liquid chromatography of small molecules. Journal of Chromatography A, 2010, 1217, 2138-2146.	1.8	33

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91	Evaluation of capillary ion exchange stationary phase coating distribution and stability using radial capillary column contactless conductivity detection. Analyst, The, 2006, 131, 886.	1.7	32
92	Improved method for the determination of zinc pyrithione in environmental water samples incorporating on-line extraction and preconcentration coupled with liquid chromatography atmospheric pressure chemical ionisation mass spectrometry. Journal of Chromatography A, 2006, 1132, 157-164.	1.8	32
93	Separation of transition metals on a poly-iminodiacetic acid grafted polymeric resin column with post-column reaction detection utilising a paired emitterâ€“detector diode system. Journal of Chromatography A, 2008, 1213, 31-36.	1.8	32
94	Fast separation of UV absorbing anions using ion-interaction chromatography. Journal of Chromatography A, 2001, 917, 353-359.	1.8	31
95	Rapid on-line preconcentration and suppressed micro-bore ion chromatography of part per trillion levels of perchlorate in rainwater samples. Analytica Chimica Acta, 2006, 567, 127-134.	2.6	31
96	Novel integrated paired emitter-detector diode (PEDD) as a miniaturized photometric detector in HPLC. Analyst, The, 2006, 131, 938.	1.7	31
97	Practical isolation of polygodial from Tasmannia lanceolata: a viable scaffold for synthesis. Organic and Biomolecular Chemistry, 2015, 13, 11200-11207.	1.5	31
98	A new 3D printed radial flow-cell for chemiluminescence detection: Application in ion chromatographic determination of hydrogen peroxide in urine and coffee extracts. Analytica Chimica Acta, 2018, 1005, 81-92.	2.6	31
99	Low cost 235 nm ultra-violet light-emitting diode-based absorbance detector for application in a portable ion chromatography system for nitrite and nitrate monitoring. Journal of Chromatography A, 2019, 1603, 8-14.	1.8	31
100	Microwave-assisted purification of detonation nanodiamond. Diamond and Related Materials, 2014, 48, 37-46.	1.8	30
101	Determination of alkaline earth metals in offshore oil-well brines using high-performance chelation ion chromatography. Analytical Proceedings, 1994, 31, 209.	0.4	29
102	Evaluation of monolithic and sub 2 Âµm particle packed columns for the rapid screening for illicit drugsâ€"application to the determination of drug contamination on Irish euro banknotes. Analyst, The, 2007, 132, 208-217.	1.7	29
103	Electrodeposition of palladium nanoparticles on porous graphitized carbon monolith modified carbon paste electrode for simultaneous enhanced determination of ascorbic acid and uric acid. Sensors and Actuators B: Chemical, 2015, 218, 280-288.	4.0	29
104	High-throughput deposition of chemical reagents via pen-plotting technique for microfluidic paper-based analytical devices. Analytica Chimica Acta, 2019, 1047, 115-123.	2.6	29
105	Random Forests machine learning applied to gas chromatography â€“ Mass spectrometry derived average mass spectrum data sets for classification and characterisation of essential oils. Talanta, 2020, 208, 120471.	2.9	29
106	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
107	Non-invasive characterization of stationary phases in capillary flow systems using scanning capacitively coupled contactless conductivity detection (sC4D). TrAC - Trends in Analytical Chemistry, 2010, 29, 870-884.	5.8	28
108	Practical method for evaluation of linearity and effective pathlength of on-capillary photometric detectors in capillary electrophoresis. Journal of Chromatography A, 2001, 927, 237-241.	1.8	27

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109	Double gradient ion chromatography using short monolithic columns modified with a long chained zwitterionic carboxybetaine surfactant. Journal of Chromatography A, 2006, 1109, 111-119.	1.8	27
110	Comprehensive analysis of pharmaceutical products using simultaneous mixed-mode (ion-exchange/reversed-phase) and hydrophilic interaction liquid chromatography. Journal of Separation Science, 2014, 37, 2138-2144.	1.3	27
111	Geometrical Alignment of Multiple Fabrication Steps for Rapid Prototyping of Microfluidic Paper-Based Analytical Devices. Analytical Chemistry, 2017, 89, 11918-11923.	3.2	26
112	Modular, cost-effective, and portable capillary gradient liquid chromatography system for on-site analysis. Journal of Chromatography A, 2020, 1626, 461374.	1.8	26
113	Fabrication and characterisation of capillary polymeric monoliths incorporating continuous stationary phase gradients. Journal of Separation Science, 2010, 33, 484-492.	1.3	25
114	Monolithic porous layer open tubular (monoPLOT) columns for low pressure liquid chromatography of proteins. Analytical Methods, 2011, 3, 537.	1.3	25
115	Versatile Capillary Column Temperature Control Using a Thermoelectric Array Based Platform. Analytical Chemistry, 2011, 83, 4307-4313.	3.2	25
116	Fibre-based electrofluidics on low cost versatile 3D printed platforms for solute delivery, separations and diagnostics; from small molecules to intact cells. Analyst, The, 2016, 141, 6422-6431.	1.7	25
117	Rapid Screening of Selected Organic Explosives by High Performance Liquid Chromatography Using Reversed-Phase Monolithic Columns. Journal of Forensic Sciences, 2004, 49, 1-6.	0.9	25
118	Micro-flow injection analysis system: on-chip sample preconcentration, injection and delivery using coupled monolithic electroosmotic pumps. Lab on A Chip, 2007, 7, 1597.	3.1	24
119	Highâ€performance separation of small inorganic anions on a methacrylateâ€based polymer monolith grafted with [2(methacryloyloxy)ethyl] trimethylammonium chloride. Journal of Separation Science, 2009, 32, 2653-2658.	1.3	24
120	Centrifugally-driven sample extraction, preconcentration and purification in microfluidic compact discs. TrAC - Trends in Analytical Chemistry, 2011, 30, 1575-1586.	5.8	24
121	Production of polymer monolithic capillary columns with integrated gold nano-particle modified segments for on-capillary extraction. Microchemical Journal, 2013, 111, 32-39.	2.3	24
122	Miniaturized capillary ion chromatograph with UV lightâ€emitting diode based indirect absorbance detection for anion analysis in potable and environmental waters. Journal of Separation Science, 2018, 41, 3224-3231.	1.3	24
123	3D Printed Liquid Cooling Interface for a Deep-UV-LED-Based Flow-Through Absorbance Detector. Analytical Chemistry, 2019, 91, 8795-8800.	3.2	24
124	Processable Thermally Conductive Polyurethane Composite Fibers. Macromolecular Materials and Engineering, 2019, 304, 1800542.	1.7	24
125	Development of a micro-fluidic manifold for copper monitoring utilising chemiluminescence detection. Lab on A Chip, 2004, 4, 384.	3.1	23
126	Solvent enhanced ion chromatography of alkaline earth and transition metal ions on porous monolithic silica. Analytica Chimica Acta, 2005, 553, 27-35.	2.6	23

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127	Zwitterionic ion chromatography with carboxybetaine surfactant-coated particle packed and monolithic type columns. Journal of Chromatography A, 2005, 1070, 71-78.	1.8	23
128	Holistic visualisation of the multimodal transport and fate of twelve pharmaceuticals in biosolid enriched topsoils. Analytical and Bioanalytical Chemistry, 2010, 397, 287-296.	1.9	23
129	Wall modified photonic crystal fibre capillaries as porous layer open tubular columns for in-capillary micro-extraction and capillary chromatography. Analytica Chimica Acta, 2016, 905, 1-7.	2.6	23
130	Heating-, Cooling- and Vacuum-Assisted Solid-Phase Microextraction (HCV-SPME) for Efficient Sampling of Environmental Pollutants in Complex Matrices. Chromatographia, 2020, 83, 531-540.	0.7	23
131	Determination of trace uranyl in saline samples using chelation ion chromatography. Analytical Communications, 1998, 35, 13-16.	2.2	22
132	Preparation, characterisation and modification of carbonâ€based monolithic rods for chromatographic applications. Journal of Separation Science, 2010, 33, 1231-1243.	1.3	22
133	Polymerisation and surface modification of methacrylate monoliths in polyimide channels and polyimide coated capillaries using 660 nm light emitting diodes. Journal of Chromatography A, 2011, 1218, 2954-2962.	1.8	22
134	A simple and sensitive method for the determination of iodide and iodate in raw, ultraviolet- and ozone-treated aquacultural seawater samples using ion chromatography coupled to an ultraviolet detector. Analytical Methods, 2016, 8, 5587-5595.	1.3	22
135	Porous, High Capacity Coatings for Solid Phase Microextraction by Sputtering. Analytical Chemistry, 2016, 88, 1593-1600.	3.2	22
136	Multidimensional Gas Chromatography in Essential Oil Analysis. Part 2: Application to Characterisation and Identification. Chromatographia, 2019, 82, 399-414.	0.7	22
137	Determination of calcium and magnesium in sea-water using a dynamically coated porous graphitic carbon column with a selective metallochromic ligand as a component of the mobile phase. Analytical Communications, 1996, 33, 193.	2.2	21
138	Retention behaviour of thorium(IV) and uranyl on a reversed-phase column with glycolate and mandelate as eluents. Journal of Chromatography A, 1996, 739, 151-161.	1.8	21
139	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
140	Ion chromatographic behavior of alkali and alkaline earth metal cations on silica gel columns with cation exchange characteristics. Analytica Chimica Acta, 1998, 359, 255-261.	2.6	21
141	Determination of niobium(V) and tantalum(V) as 4-(2-pyridylazo)resorcinolâ€“citrate ternary complexes in geological materials by ion-interaction reversed-phase high-performance liquid chromatography. Journal of Chromatography A, 1999, 850, 257-268.	1.8	21
142	Electrokinetic Properties of Lubricin Antiadhesive Coatings in Microfluidic Systems. Langmuir, 2016, 32, 1899-1908.	1.6	21
143	High sensitivity deep-UV LED-based z-cell photometric detector for capillary liquid chromatography. Analytica Chimica Acta, 2018, 1032, 197-202.	2.6	21
144	Origin, transport and deposition of aerosol iron to Australian coastal waters. Atmospheric Environment, 2020, 228, 117432.	1.9	21

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145	Using scanning contactless conductivity to optimise photografting procedures and capacity in the production of polymer ion-exchange monoliths. Analyst, The, 2009, 134, 1314.	1.7	20
146	Development of a rapid and sensitive method for determination of cysteine/cystine ratio in chemically defined media. Journal of Chromatography A, 2010, 1217, 3863-3870.	1.8	20
147	Multidimensional Gas Chromatography in Essential Oil Analysis. PartÂ1: Technical Developments. Chromatographia, 2019, 82, 377-398.	0.7	20
148	Determination of thorium and uranyl in nitrophosphate solution by, on-line matrix-elimination reversed-phase chromatography. Chromatographia, 1996, 42, 690-696.	0.7	19
149	Determination of trace cadmium in environmental water samples using ion-interaction reversed-phase liquid chromatography with fluorescence detection. Journal of Chromatography A, 2000, 877, 123-132.	1.8	19
150	Chelation ion chromatography of alkaline earth and transition metals a using monolithic silica column with bonded N-hydroxyethyliminodiacetic acid functional groups. Journal of Chromatography A, 2013, 1276, 102-111.	1.8	19
151	Fabrication and characterisation of gold nano-particle modified polymer monoliths for flow-through catalytic reactions and their application in the reduction of hexacyanoferrate. Mikrochimica Acta, 2014, 181, 249-256.	2.5	19
152	Ion-Exchange Based Immobilization of Chromogenic Reagents on Microfluidic Paper Analytical Devices. Analytical Chemistry, 2019, 91, 8756-8761.	3.2	19
153	Determination of trace levels of thorium(IV) and uranyl by reversed-phase chromatography with on-line preconcentration and ligand exchange. Journal of Chromatography A, 1996, 749, 103-113.	1.8	18
154	Non-trivial temperature effects on the cation exchange chromatography and chelation ion chromatography of metal ions. Analyst, The, 2003, 128, 335-344.	1.7	18
155	Development of a contactless conductivity detector cell for 1.6 mm O.D. (1/16th inch) HPLC tubing and micro-bore columns with on-column detection. Analyst, The, 2008, 133, 1104.	1.7	18
156	In-process phase growth measurement technique in the fabrication of monolithic porous layer open tubular (monoPLOT) columns using capacitively coupled contactless conductivity. Analyst, The, 2013, 138, 2540.	1.7	18
157	Functionalisation of mesoporous silica gel with 2-[(phosphonomethyl)-amino]acetic acid functional groups. Characterisation and application. Applied Surface Science, 2014, 288, 373-380.	3.1	18
158	Ion-exchange properties of microdispersed sintered detonation nanodiamond. Adsorption, 2016, 22, 371-383.	1.4	18
159	Recent strategies to enhance the performance of polymer monoliths for analytical separations. Journal of Separation Science, 2019, 42, 1564-1576.	1.3	18
160	Analysis of levoglucosan and its isomers in atmospheric samples by ion chromatography with electrospray lithium cationisation - Triple quadrupole tandem mass spectrometry. Journal of Chromatography A, 2020, 1610, 460557.	1.8	18
161	Retention behavior of alkali, alkaline earth and transition metal cations in ion chromatography with an unmodified silica gel column. Journal of Chromatography A, 1997, 770, 219-227.	1.8	17
162	Separation of metal ions using a polymeric reversed-phase column and a Methylthymol Blue containing mobile phase. Analytical Communications, 1998, 35, 17-20.	2.2	17

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163	Flow Analysis Method Using Chelating CIM Monolithic Disks for Monitoring Dissolved Labile Copper in Environmental Water Samples. Journal of Liquid Chromatography and Related Technologies, 2006, 29, 2201-2216.	0.5	17
164	Paired emitterâ€"detector diode detection with dual wavelength monitoring for enhanced sensitivity to transition metals in ion chromatography with post-column reaction. Analyst, The, 2009, 134, 124-130.	1.7	17
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