

Brett Paull

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

292
papers

7,404
citations

39
h-index

68
g-index

303
ext. papers

8,259
ext. citations

5
avg, IF

6.37
L-index

#	Paper	IF	Citations
292	Determination of xylooligosaccharides produced from enzymatic hydrolysis of beechwood xylan using high-performance anion-exchange chromatography tandem mass spectrometry.. <i>Journal of Chromatography A</i> , 2022 , 1666, 462836	4.5	1
291	Thread-based isotachopheresis coupled with desorption electrospray ionization mass spectrometry for clean-up, preconcentration, and determination of alkaloids in biological fluids.. <i>Analytica Chimica Acta</i> , 2022 , 1193, 338810	6.6	1
290	Chemometric optimisation of enzymatic hydrolysis of beechwood xylan to target desired xylooligosaccharides.. <i>Bioresource Technology</i> , 2022 , 352, 127041	11	0
289	Chromatographic properties of hydrogenated microdiamond synthesized by high pressure and high temperature.. <i>Journal of Chromatography A</i> , 2022 , 1673, 463127	4.5	
288	Comparison of chemometric assisted targeted and untargeted approaches for the prediction of radical scavenging activity of ylang-ylang essential oils.. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1191, 123093	3.2	0
287	Recent advances and applications of synthetic diamonds in solid-phase extraction and high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2021 , 1640, 461936	4.5	5
286	Applications of nanomaterials in ambient ionization mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 136, 116202	14.6	4
285	In-situ growth of metal-organic frameworks in a reactive 3D printable material. <i>Applied Materials Today</i> , 2021 , 22, 100930	6.6	5
284	Data handling and data analysis in metabolomic studies of essential oils using GC-MS. <i>Journal of Chromatography A</i> , 2021 , 1640, 461896	4.5	10
283	Ultra-trace determination of oxyhalides in ozonated aquacultural marine waters by direct injection ion chromatography coupled with triple-quadrupole mass spectrometry. <i>Heliyon</i> , 2021 , 7, e06885	3.6	
282	Tunable flow rate in textile-based materials utilising composite fibres. <i>Journal of the Textile Institute</i> , 2021 , 112, 568-577	1.5	
281	Fused filament fabrication 3D printed polylactic acid electroosmotic pumps. <i>Lab on A Chip</i> , 2021 , 21, 3338-3351	7.2	1
280	Smartphone-based handheld Raman spectrometer and machine learning for essential oil quality evaluation. <i>Analytical Methods</i> , 2021 , 13, 4055-4062	3.2	3
279	Thread-based isotachopheresis for DNA extraction and purification from biological samples. <i>Lab on A Chip</i> , 2021 , 21, 2565-2573	7.2	3
278	PolyJet printed high aspect ratio three-dimensional bifurcating microfluidic flow distributor and its application in solid-phase extraction. <i>Analytica Chimica Acta</i> , 2021 , 1168, 338624	6.6	0
277	Small-Footprint, Field-Deployable LC/MS System for On-Site Analysis of Per- and Polyfluoroalkyl Substances in Soil. <i>Analytical Chemistry</i> , 2021 , 93, 12032-12040	7.8	1
276	Radical scavenging activity and metabolomic profiling study of ylang-ylang essential oils based on high-performance thin-layer chromatography and multivariate statistical analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1179, 122861	3.2	2

275	Portable analyser using two-dimensional ion chromatography with ultra-violet light-emitting diode-based absorbance detection for nitrate monitoring within both saline and freshwaters. <i>Journal of Chromatography A</i> , 2021 , 1652, 462368	4.5	1
274	Small footprint liquid chromatography-mass spectrometry for pharmaceutical reaction monitoring and automated process analysis. <i>Journal of Chromatography A</i> , 2021 , 1656, 462545	4.5	0
273	Wireless bipolar electrode-based textile electrofluidics: towards novel micro-total-analysis systems. <i>Lab on A Chip</i> , 2021 , 21, 3979-3990	7.2	2
272	Microextraction and Determination of Poly- and Perfluoroalkyl Substances, Challenges, and Future Trends. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-20	5.2	
271	Origin, transport and deposition of aerosol iron to Australian coastal waters. <i>Atmospheric Environment</i> , 2020 , 228, 117432	5.3	14
270	Electrofluidic control of bioactive molecule delivery into soft tissue models based on gelatin methacryloyl hydrogels using threads and surgical sutures. <i>Scientific Reports</i> , 2020 , 10, 7120	4.9	7
269	Characterisation of complex perfume and essential oil blends using multivariate curve resolution-alternating least squares algorithms on average mass spectrum from GC-MS. <i>Talanta</i> , 2020 , 219, 121208	6.2	6
268	Modular, cost-effective, and portable capillary gradient liquid chromatography system for on-site analysis. <i>Journal of Chromatography A</i> , 2020 , 1626, 461374	4.5	12
267	Heating-, Cooling- and Vacuum-Assisted Solid-Phase Microextraction (HCV-SPME) for Efficient Sampling of Environmental Pollutants in Complex Matrices. <i>Chromatographia</i> , 2020 , 83, 531-540	2.1	10
266	3D textile structures with integrated electroactive electrodes for wearable electrochemical sensors. <i>Journal of the Textile Institute</i> , 2020 , 111, 1587-1595	1.5	6
265	Comprehensive characterisation of ylang-ylang essential oils according to distillation time, origin, and chemical composition using a multivariate approach applied to average mass spectra and segmented average mass spectral data. <i>Journal of Chromatography A</i> , 2020 , 1618, 460853	4.5	5
264	Fully automated, low-cost ion chromatography system for in-situ analysis of nitrite and nitrate in natural waters. <i>Talanta</i> , 2020 , 216, 120955	6.2	27
263	Ultraviolet absorbance detector based on a high output power 235 nm surface mounted device-type light-emitting diode. <i>Journal of Chromatography A</i> , 2020 , 1631, 461540	4.5	3
262	Development of polydimethylsiloxane-microdiamond composite materials for application as sorptive devices. <i>Journal of Chromatography A</i> , 2020 , 1613, 460669	4.5	3
261	Porogens and porogen selection in the preparation of porous polymer monoliths. <i>Journal of Separation Science</i> , 2020 , 43, 56-69	3.4	21
260	Fabrication of Humidity Sensor Using 3D Printable Polymer Composite Containing Boron-Doped Diamonds and LiCl. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4962-4969	9.5	19
259	Miniature and fully portable gradient capillary liquid chromatograph. <i>Analytica Chimica Acta</i> , 2020 , 1101, 199-210	6.6	24
258	Integrated 3D printed heaters for microfluidic applications: Ammonium analysis within environmental water. <i>Analytica Chimica Acta</i> , 2020 , 1098, 94-101	6.6	20

257	Analysis of levoglucosan and its isomers in atmospheric samples by ion chromatography with electrospray lithium cationisation - Triple quadrupole tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1610, 460557	4.5	11
256	Miniature Multiwavelength Deep UV-LED-Based Absorption Detection System for Capillary LC. <i>Analytical Chemistry</i> , 2020 , 92, 13688-13693	7.8	7
255	Novel Approach toward Electrofluidic Substrates Utilizing Textile-Based Braided Structure. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45618-45628	9.5	5
254	Recent advances in stir-bar sorptive extraction: Coatings, technical improvements, and applications. <i>Analytica Chimica Acta</i> , 2020 , 1139, 222-240	6.6	30
253	Fabrication of a Smartphone-Based Spectrophotometer and Its Application in Monitoring Concentrations of Organic Dyes. <i>ACS Omega</i> , 2020 , 5, 31450-31455	3.9	7
252	Thread-based isoelectric focusing coupled with desorption electrospray ionization mass spectrometry. <i>Analyst, The</i> , 2020 , 145, 6928-6936	5	6
251	Random Forests machine learning applied to gas chromatography - Mass spectrometry derived average mass spectrum data sets for classification and characterisation of essential oils. <i>Talanta</i> , 2020 , 208, 120471	6.2	21
250	Facile Development of a Fiber-Based Electrode for Highly Selective and Sensitive Detection of Dopamine. <i>ACS Sensors</i> , 2019 , 4, 2599-2604	9.2	21
249	Ion-Exchange Based Immobilization of Chromogenic Reagents on Microfluidic Paper Analytical Devices. <i>Analytical Chemistry</i> , 2019 , 91, 8756-8761	7.8	12
248	3D Printed Liquid Cooling Interface for a Deep-UV-LED-Based Flow-Through Absorbance Detector. <i>Analytical Chemistry</i> , 2019 , 91, 8795-8800	7.8	16
247	Electrochemical characterisation of nanoparticulate zirconium dioxide-on-gold electrode for electrochemical detection in flow-based analytical systems. <i>Electrochimica Acta</i> , 2019 , 318, 61-68	6.7	5
246	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. <i>Journal of Chromatography A</i> , 2019 , 1603, 8-14	4.5	17
245	Instrument-free argentometric determination of chloride via trapezoidal distance-based microfluidic paper devices. <i>Analytica Chimica Acta</i> , 2019 , 1063, 1-8	6.6	30
244	Recent advances in open tubular capillary liquid chromatography. <i>Analyst, The</i> , 2019 , 144, 3464-3482	5	38
243	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. <i>Analytica Chimica Acta</i> , 2019 , 1063, 167-177	6.6	3
242	Capillary gap flow cell as capillary-end electrochemical detector in flow-based analysis. <i>Electrochimica Acta</i> , 2019 , 303, 85-93	6.7	4
241	Ion chromatographic determination of hydrazine in excess ammonia for monitoring graphene oxide reduction reaction. <i>Talanta</i> , 2019 , 205, 120081	6.2	8
240	Enhanced organic species identification via laser structuring of carbon monolithic surfaces. <i>Applied Surface Science</i> , 2019 , 493, 829-837	6.7	

239	Recent strategies to enhance the performance of polymer monoliths for analytical separations. <i>Journal of Separation Science</i> , 2019 , 42, 1564-1576	3.4	10
238	Fast pulsed amperometric waveform for miniaturised flow-through electrochemical detection: Application in monitoring graphene oxide reduction. <i>Electrochimica Acta</i> , 2019 , 328, 135087	6.7	1
237	High-throughput deposition of chemical reagents via pen-plotting technique for microfluidic paper-based analytical devices. <i>Analytica Chimica Acta</i> , 2019 , 1047, 115-123	6.6	20
236	Multidimensional Gas Chromatography in Essential Oil Analysis. Part 2: Application to Characterisation and Identification. <i>Chromatographia</i> , 2019 , 82, 399-414	2.1	18
235	Selective capillary electrophoresis separation of mono and divalent cations within a high-surface area-to-volume ratio multi-lumen capillary. <i>Analytica Chimica Acta</i> , 2019 , 1051, 41-48	6.6	3
234	Three-Dimensional Printing of Abrasive, Hard, and Thermally Conductive Synthetic Microdiamond-Polymer Composite Using Low-Cost Fused Deposition Modeling Printer. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4353-4363	9.5	40
233	Reversed-Phase Functionalised Multi-lumen Capillary as Combined Concentrator, Separation Column, and ESI Emitter in Capillary-LCMS. <i>Chromatographia</i> , 2019 , 82, 197-209	2.1	6
232	Life-Saving Threads: Advances in Textile-Based Analytical Devices. <i>ACS Combinatorial Science</i> , 2019 , 21, 229-240	3.9	29
231	Multidimensional Gas Chromatography in Essential Oil Analysis. Part 1: Technical Developments. <i>Chromatographia</i> , 2019 , 82, 377-398	2.1	17
230	Prospects of pulsed amperometric detection in flow-based analytical systems - A review. <i>Analytica Chimica Acta</i> , 2019 , 1052, 10-26	6.6	20
229	Processable Thermally Conductive Polyurethane Composite Fibers. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800542	3.9	16
228	Using pattern recognition entropy to select mass chromatograms to prepare total ion current chromatograms from raw liquid chromatography-mass spectrometry data. <i>Journal of Chromatography A</i> , 2018 , 1558, 21-28	4.5	9
227	Separation of superparamagnetic magnetite nanoparticles by capillary zone electrophoresis using non-complexing and complexing electrolyte anions and tetramethylammonium as dispersing additive. <i>Electrophoresis</i> , 2018 , 39, 1429-1436	3.6	8
226	Rapid screening of inorganic and organic anions in liquid by-products from hydrothermal treatment of biomass by capillary electrophoresis. <i>Electrophoresis</i> , 2018 , 39, 1014-1020	3.6	3
225	Miniaturised electrically actuated high pressure injection valve for portable capillary liquid chromatography. <i>Talanta</i> , 2018 , 180, 32-35	6.2	12
224	A new 3D printed radial flow-cell for chemiluminescence detection: Application in ion chromatographic determination of hydrogen peroxide in urine and coffee extracts. <i>Analytica Chimica Acta</i> , 2018 , 1005, 81-92	6.6	26
223	Multi-channel capillaries and photonic crystal fibres for separation sciences. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 102, 322-331	14.6	13
222	Fractionation of Dissolved Organic Matter on Coupled Reversed-Phase Monolithic Columns and Characterisation Using Reversed-Phase Liquid Chromatography-High Resolution Mass Spectrometry. <i>Chromatographia</i> , 2018 , 81, 203-213	2.1	8

221	Thread based electrofluidic platform for direct metabolite analysis in complex samples. <i>Analytica Chimica Acta</i> , 2018 , 1000, 283-292	6.6	27
220	Mixed-Mode Liquid Chromatography on Core Shell Stationary Phases based on Layer-By-Layer Nanodiamond/Polyamine Architecture. <i>Current Chromatography</i> , 2018 , 5, 5-17	0.4	3
219	Miniaturized capillary ion chromatograph with UV light-emitting diode based indirect absorbance detection for anion analysis in potable and environmental waters. <i>Journal of Separation Science</i> , 2018 , 41, 3224-3231	3.4	16
218	Evaluation of polypyrrole/silver/polyethylene glycol nanocomposite sorbent for electroenhanced direct-immersion solid-phase microextraction of carvacrol and thymol from medicinal plants. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 2585-2592	2	8
217	Comparison of cation-exchange capillary columns used for ion chromatographic separation of biogenic amines. <i>Journal of Chromatography A</i> , 2018 , 1571, 193-200	4.5	8
216	Micro-Capillary Coatings Based on Spiropyran Polymeric Brushes for Metal Ion Binding, Detection, and Release in Continuous Flow. <i>Sensors</i> , 2018 , 18,	3.8	8
215	Current and future impact of 3D printing on the separation sciences. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 105, 492-502	14.6	72
214	Investigating the Effect of Column Geometry on Separation Efficiency using 3D Printed Liquid Chromatographic Columns Containing Polymer Monolithic Phases. <i>Analytical Chemistry</i> , 2018 , 90, 1186-1194	7.8	33
213	Happy 50th Birthday, CHROMATOGRAPHIA!. <i>Chromatographia</i> , 2018 , 81, 1	2.1	2
212	Increased elastic modulus of plasma polymer coatings reinforced with detonation nanodiamond particles improves osteogenic differentiation of mesenchymal stem cells. <i>Turkish Journal of Biology</i> , 2018 , 42, 195-203	3.1	1
211	Low-Cost Passive Sampling Device with Integrated Porous Membrane Produced Using Multimaterial 3D Printing. <i>Analytical Chemistry</i> , 2018 , 90, 12081-12089	7.8	33
210	Multi-lumen capillary based trypsin micro-reactor for the rapid digestion of proteins. <i>Analyst, The</i> , 2018 , 143, 4944-4953	5	8
209	High sensitivity deep-UV LED-based z-cell photometric detector for capillary liquid chromatography. <i>Analytica Chimica Acta</i> , 2018 , 1032, 197-202	6.6	13
208	Direct Production of Microstructured Surfaces for Planar Chromatography Using 3D Printing. <i>Analytical Chemistry</i> , 2017 , 89, 2457-2463	7.8	45
207	3D printed LED based on-capillary detector housing with integrated slit. <i>Analytica Chimica Acta</i> , 2017 , 965, 131-136	6.6	34
206	Ion-exchange properties of High Pressure High Temperature synthetic diamond. <i>Diamond and Related Materials</i> , 2017 , 75, 131-139	3.5	7
205	Comparing Microfluidic Performance of Three-Dimensional (3D) Printing Platforms. <i>Analytical Chemistry</i> , 2017 , 89, 3858-3866	7.8	221
204	New strategies for stationary phase integration within centrifugal microfluidic platforms for applications in sample preparation and pre-concentration. <i>Analytical Methods</i> , 2017 , 9, 1998-2006	3.2	10

203	Elemental analysis of nanodiamonds by inductively coupled plasma hyphenated methods 2017 , 109-130		2
202	Postcolumn derivatization of amino acids using reaction flow chromatography columns with fluorescence detection: A fast new approach to selective derivatization techniques. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017 , 40, 83-92	1.3	7
201	Ion chromatography 2017 , 205-244		5
200	Enhanced physicochemical properties of polydimethylsiloxane based microfluidic devices and thin films by incorporating synthetic micro-diamond. <i>Scientific Reports</i> , 2017 , 7, 15109	4.9	28
199	Geometrical Alignment of Multiple Fabrication Steps for Rapid Prototyping of Microfluidic Paper-Based Analytical Devices. <i>Analytical Chemistry</i> , 2017 , 89, 11918-11923	7.8	23
198	Graphene Oxide Nanoparticles and Their Influence on Chromatographic Separation Using Polymeric High Internal Phase Emulsions. <i>Separations</i> , 2017 , 4, 5	3.1	6
197	Wall modified photonic crystal fibre capillaries as porous layer open tubular columns for in-capillary micro-extraction and capillary chromatography. <i>Analytica Chimica Acta</i> , 2016 , 905, 1-7	6.6	22
196	Fibre-based electrofluidics on low cost versatile 3D printed platforms for solute delivery, separations and diagnostics; from small molecules to intact cells. <i>Analyst, The</i> , 2016 , 141, 6422-6431	5	19
195	Recent developments in 3D printable composite materials. <i>RSC Advances</i> , 2016 , 6, 60355-60371	3.7	185
194	3D printed titanium micro-bore columns containing polymer monoliths for reversed-phase liquid chromatography. <i>Analytica Chimica Acta</i> , 2016 , 910, 84-94	6.6	55
193	Characterisation of graphene fibres and graphene coated fibres using capacitively coupled contactless conductivity detector. <i>Analyst, The</i> , 2016 , 141, 2774-82	5	12
192	Electrokinetic Properties of Lubricin Antiadhesive Coatings in Microfluidic Systems. <i>Langmuir</i> , 2016 , 32, 1899-908	4	18
191	Ion-exchange properties of microdispersed sintered detonation nanodiamond. <i>Adsorption</i> , 2016 , 22, 371-383	2.6	15
190	Porous, High Capacity Coatings for Solid Phase Microextraction by Sputtering. <i>Analytical Chemistry</i> , 2016 , 88, 1593-600	7.8	17
189	Simple, quantitative method for low molecular weight dissolved organic matter extracted from natural waters based upon high performance counter-current chromatography. <i>Analytica Chimica Acta</i> , 2016 , 909, 129-38	6.6	5
188	In Situ Measurement of Polymer Layer Thickness in Porous Layer Open Tubular (PLOT) Columns Using Optical Absorbance in the Near-IR Range. <i>Separations</i> , 2016 , 3, 34	3.1	1
187	Precise and fast determination of inorganic magnesium in coccolithophore calcite. <i>Chemical Geology</i> , 2016 , 437, 1-6	4.2	2
186	A 3D printable diamond polymer composite: a novel material for fabrication of low cost thermally conducting devices. <i>RSC Advances</i> , 2016 , 6, 38140-38147	3.7	84

185	3D printed microfluidic devices: enablers and barriers. <i>Lab on A Chip</i> , 2016 , 16, 1993-2013	7.2	619
184	Performance of a New 235 nm UV-LED-Based On-Capillary Photometric Detector. <i>Analytical Chemistry</i> , 2016 , 88, 12116-12121	7.8	41
183	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. <i>Analytical Methods</i> , 2016 , 8, 7650-7660	3.2	3
182	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. <i>Analytical Methods</i> , 2016 , 8, 5587-5595	3.2	18
181	Chromatographic behaviour of synthetic high pressure high temperature diamond in aqueous normal phase chromatography. <i>Journal of Chromatography A</i> , 2016 , 1470, 59-69	4.5	9
180	Development of a silica monolith modified with Fe ₃ O ₄ nano-particles in centrifugal spin column format for the extraction of phosphorylated compounds. <i>Journal of Separation Science</i> , 2015 , 38, 283-90 ^{3,4}	3.4	10
179	Chromatographic performance of synthetic polycrystalline diamond as a stationary phase in normal phase high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015 , 1391, 49-59	4.5	14
178	Hierarchical porous graphitic carbon monoliths with detonation nanodiamonds: synthesis, characterisation and adsorptive properties. <i>Journal of Materials Science</i> , 2015 , 50, 6245-6259	4.3	8
177	Thermally controlled growth of carbon onions within porous graphitic carbon-detonation nanodiamond monolithic composites. <i>RSC Advances</i> , 2015 , 5, 22906-22915	3.7	10
176	Simultaneous Analysis of Inorganic Monovalent Anions/Cations Using Mixed-Bed Single-Column Ion Chromatography. <i>Chromatographia</i> , 2015 , 78, 179-187	2.1	5
175	New method for the rapid extraction of natural products: efficient isolation of shikimic acid from star anise. <i>Organic Letters</i> , 2015 , 17, 2428-30	6.2	44
174	Electrodeposition of palladium nanoparticles on porous graphitized carbon monolith modified carbon paste electrode for simultaneous enhanced determination of ascorbic acid and uric acid. <i>Sensors and Actuators B: Chemical</i> , 2015 , 218, 280-288	8.5	27
173	Capillary ion chromatography with on-column focusing for ultra-trace analysis of methanesulfonate and inorganic anions in limited volume Antarctic ice core samples. <i>Journal of Chromatography A</i> , 2015 , 1409, 182-8	4.5	10
172	Chromatographic methods for the isolation, separation and characterisation of dissolved organic matter. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 1531-67	4.3	39
171	Practical isolation of polygodial from <i>Tasmania lanceolata</i> : a viable scaffold for synthesis. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 11200-7	3.9	26
170	Stepped gradients on polymeric monolithic columns by photoinitiated grafting. <i>Journal of Separation Science</i> , 2015 , 38, 3795-802	3.4	8
169	Determination of trace magnesium and strontium in calcium carbonate and calcareous skeletons of marine planktonic organisms using high performance chelation ion chromatography. <i>Analytical Methods</i> , 2015 , 7, 416-422	3.2	1
168	Using reaction flow chromatography for the analysis of amino acid: Derivatisation with fluorescamine reagent. <i>Microchemical Journal</i> , 2015 , 121, 141-149	4.8	11

167	Assessing the extent, stability, purity and properties of silanised detonation nanodiamond. <i>Applied Surface Science</i> , 2015 , 357, 397-406	6.7	11
166	Comment on "Structural characterization of dissolved organic matter: a review of current techniques for isolation and analysis" by E. C. Minor, M. M. Swenson, B. M. Mattson, and A. R. Oyler, <i>Environ. Sci.: Processes Impacts</i> , 2014, 16, 2064. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 495-6	4.3	4
165	Determination of trace labile copper in environmental waters by magnetic nanoparticle solid phase extraction and high-performance chelation ion chromatography. <i>Talanta</i> , 2015 , 135, 155-62	6.2	38
164	Screening of elemental impurities in commercial detonation nanodiamond using sector field inductively coupled plasma-mass spectrometry. <i>Journal of Materials Science</i> , 2014 , 49, 3573-3591	4.3	32
163	Functionalisation of mesoporous silica gel with 2-[(phosphonomethyl)-amino]acetic acid functional groups. Characterisation and application. <i>Applied Surface Science</i> , 2014 , 288, 373-380	6.7	17
162	Comprehensive analysis of pharmaceutical products using simultaneous mixed-mode (ion-exchange/reversed-phase) and hydrophilic interaction liquid chromatography. <i>Journal of Separation Science</i> , 2014 , 37, 2138-44	3.4	25
161	Normal-phase high-performance counter-current chromatography for the fractionation of dissolved organic matter from a freshwater source. <i>Journal of Separation Science</i> , 2014 , 37, 135-42	3.4	7
160	Infrared photo-initiated fabrication of monolithic porous layer open tubular (monoPLOT) capillary columns for chromatographic applications. <i>RSC Advances</i> , 2014 , 4, 28165-28170	3.7	11
159	3D printed metal columns for capillary liquid chromatography. <i>Analyst, The</i> , 2014 , 139, 6343-7	5	76
158	Comparison of electrochemical property between multiwalled carbon nanotubes and porous graphitized carbon monolith modified glassy carbon electrode for the simultaneous determination of ascorbic acid and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 731, 53-59	4.1	12
157	Porous layer open tubular columns in capillary liquid chromatography. <i>Analyst, The</i> , 2014 , 139, 1292-3025		39
156	Investigation into dissolved neutral sugars and their microbial conversion in natural and artificially produced dissolved organic matter using ion chromatography with pulsed amperometric detection and reversed-phase liquid chromatography-high resolution mass spectrometry. <i>Analytical Methods</i> , 2014 , 6, 107-114	3.2	5
155	Focussed ion beam serial sectioning and imaging of monolithic materials for 3D reconstruction and morphological parameter evaluation. <i>Analyst, The</i> , 2014 , 139, 99-104	5	8
154	Microwave-assisted purification of detonation nanodiamond. <i>Diamond and Related Materials</i> , 2014 , 48, 37-46	3.5	24
153	Diamond based adsorbents and their application in chromatography. <i>Journal of Chromatography A</i> , 2014 , 1357, 68-86	4.5	45
152	Separation and characterisation of detonation nanodiamond by capillary zone electrophoresis. <i>Electrophoresis</i> , 2014 , 35, 1864-72	3.6	11
151	A year-long study of the spatial occurrence and relative distribution of pharmaceutical residues in sewage effluent, receiving marine waters and marine bivalves. <i>Science of the Total Environment</i> , 2014 , 476-477, 317-26	10.2	166
150	Fabrication and characterisation of gold nano-particle modified polymer monoliths for flow-through catalytic reactions and their application in the reduction of hexacyanoferrate. <i>Mikrochimica Acta</i> , 2014 , 181, 249-256	5.8	18

149	Nano-particle modified stationary phases for high-performance liquid chromatography. <i>Analyst, The</i> , 2013 , 138, 4229-54	5	59
148	Adsorption and desorption of methylene blue on porous carbon monoliths and nanocrystalline cellulose. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8796-804	9.5	247
147	Fabrication and characterization of nanotemplated carbon monolithic material. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8572-80	9.5	9
146	A new N-hydroxyethyliminodiacetic acid modified core-shell silica phase for chelation ion chromatography of alkaline earth, transition and rare earth elements. <i>Journal of Chromatography A</i> , 2013 , 1321, 56-64	4.5	7
145	Ion Chromatography 2013 , 157-191		6
144	Ion-exchange and hydrophobic interactions affecting selectivity for neutral and charged solutes on three structurally similar agglomerated ion-exchange and mixed-mode stationary phases. <i>Analytica Chimica Acta</i> , 2013 , 803, 143-53	6.6	32
143	Single column comprehensive analysis of pharmaceutical preparations using dual-injection mixed-mode (ion-exchange and reversed-phase) and hydrophilic interaction liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 86, 174-81	3.5	14
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