

Pavel N Nesterenko

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249
papers

5,481
citations

39
h-index

57
g-index

258
ext. papers

6,031
ext. citations

4.2
avg, IF

5.99
L-index

#	Paper	IF	Citations
249	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
248	Recent developments in 3D printable composite materials. <i>RSC Advances</i> , 2016 , 6, 60355-60371	3.7	185
247	Recent developments and emerging directions in ion chromatography. <i>Journal of Chromatography A</i> , 2008 , 1184, 456-73	4.5	157
246	Ion chromatographic determination of hydrolysis products of hexafluorophosphate salts in aqueous solution. <i>Analytica Chimica Acta</i> , 2012 , 714, 121-6	6.6	117
245	High-performance chelation ion chromatography. <i>Journal of Chromatography A</i> , 1997 , 789, 413-435	4.5	90
244	Investigation of the properties of hypercrosslinked polystyrene as a stationary phase for high-performance liquid chromatography. <i>Chromatographia</i> , 1999 , 50, 611-620	2.1	85
243	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
242	On-line preconcentration of pharmaceutical residues from large volume water samples using short reversed-phase monolithic cartridges coupled to LC-UV-ESI-MS. <i>Talanta</i> , 2006 , 70, 1117-28	6.2	82
241	3D printed metal columns for capillary liquid chromatography. <i>Analyst, The</i> , 2014 , 139, 6343-7	5	76
240	Zwitterionic Ion-Exchangers in Liquid Chromatography.. <i>Analytical Sciences</i> , 2000 , 16, 565-574	1.7	73
239	Separation of uranium(VI) and lanthanides by capillary electrophoresis using on-capillary complexation with arsenazo III. <i>Journal of Chromatography A</i> , 1998 , 803, 279-290	4.5	72
238	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
237	Zwitterionic ion-exchangers in ion chromatography: A review of recent developments. <i>Analytica Chimica Acta</i> , 2009 , 652, 3-21	6.6	70
236	Isocratic separation of lanthanides and yttrium by high-performance chelation ion chromatography on iminodiacetic acid bonded to silica. <i>Journal of Chromatography A</i> , 1998 , 804, 223-231	4.5	64
235	New possibilities in ion chromatography using porous monolithic stationary-phase media. <i>TrAC - Trends in Analytical Chemistry</i> , 2005 , 24, 295-303	14.6	60
234	Nano-particle modified stationary phases for high-performance liquid chromatography. <i>Analyst, The</i> , 2013 , 138, 4229-54	5	59
233	Diamond-related materials as potential new media in separation science. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 205-11	4.4	57

232	Simultaneous determination of dihydroxybenzenes, aminophenols and phenylenediamines in hair dyes by high-performance liquid chromatography on hypercross-linked polystyrene. <i>Analyst, The</i> , 2000 , 125, 1249-54	5	57
231	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
230	On-line simultaneous and rapid separation of anions and cations from a single sample using dual-capillary sequential injection-capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2013 , 781, 80-7	6.6	53
229	New chiral stationary phase with macrocyclic glycopeptide antibiotic eremomycin chemically bonded to silica. <i>Journal of Chromatography A</i> , 2006 , 1108, 263-7	4.5	53
228	Ion exchange properties of monolithic and particle type iminodiacetic acid modified silica. <i>Journal of Separation Science</i> , 2004 , 27, 921-30	3.4	49
227	Fast ion chromatography of inorganic anions and cations on a lysine bonded porous silica monolith. <i>Journal of Chromatography A</i> , 2005 , 1075, 167-75	4.5	49
226	Pellicular particles with spherical carbon cores and porous nanodiamond/polymer shells for reversed-phase HPLC. <i>Analytical Chemistry</i> , 2011 , 83, 5488-501	7.8	48
225	Single-column method of chelation ion chromatography for the analysis of trace metals in complex samples. <i>Journal of Chromatography A</i> , 1997 , 770, 129-135	4.5	46
224	Diamond based adsorbents and their application in chromatography. <i>Journal of Chromatography A</i> , 2014 , 1357, 68-86	4.5	45
223	Sorption of noble-metal ions on silica with chemically bonded nitrogen-containing ligands. <i>Talanta</i> , 1991 , 38, 267-74	6.2	45
222	Capillary zone electrophoresis of graphene oxide and chemically converted graphene. <i>Journal of Chromatography A</i> , 2010 , 1217, 7593-7	4.5	44
221	Microdispersed sintered nanodiamonds as a new stationary phase for high-performance liquid chromatography. <i>Analyst, The</i> , 2007 , 132, 403-5	5	44
220	Novel ion chromatographic stationary phases for the analysis of complex matrices. <i>Analyst, The</i> , 2005 , 130, 134-46	5	44
219	Investigation of polar organic solvents compatible with Corona Charged Aerosol Detection and their use for the determination of sugars by hydrophilic interaction liquid chromatography. <i>Analytica Chimica Acta</i> , 2012 , 750, 199-206	6.6	43
218	Ion chromatographic investigation of the ion-exchange properties of microdisperse sintered nanodiamonds. <i>Journal of Chromatography A</i> , 2007 , 1155, 2-7	4.5	43
217	Capillary ion chromatography of inorganic anions on octadecyl silica monolith modified with an amphoteric surfactant. <i>Journal of Chromatography A</i> , 2007 , 1142, 185-93	4.5	41
216	Application of neutral hydrophobic hypercrosslinked polystyrene to the separation of inorganic anions by ion chromatography. <i>Journal of Chromatography A</i> , 2000 , 884, 41-51	4.5	41
215	Performance of a New 235 nm UV-LED-Based On-Capillary Photometric Detector. <i>Analytical Chemistry</i> , 2016 , 88, 12116-12121	7.8	41

214	Selectivity of chemically bonded zwitterion-exchange stationary phases in ion chromatography. <i>Journal of Chromatography A</i> , 1995 , 706, 59-68	4.5	40
213	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
212	Porous graphitized carbon monolith as an electrode material for probing direct bioelectrochemistry and selective detection of hydrogen peroxide. <i>Analytical Chemistry</i> , 2012 , 84, 2351-7	7.8	39
211	Recent developments in the high-performance chelation ion chromatography of trace metals. <i>Journal of Separation Science</i> , 2007 , 30, 1773-93	3.4	39
210	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
209	Direct sector field ICP-MS determination of metal impurities in detonation nanodiamond. <i>Carbon</i> , 2013 , 60, 326-334	10.4	36
208	Use of contactless conductivity detection for non-invasive characterisation of monolithic stationary-phase coatings for application in capillary ion chromatography. <i>Analyst, The</i> , 2007 , 132, 1238-45	5	36
207	Use of Hypercrosslinked Polystyrene for the Determination of Pyrocatechol, Resorcinol, and Hydroquinone by Reversed-Phase HPLC with Dynamic On-line Preconcentration. <i>Journal of Analytical Chemistry</i> , 2001 , 56, 934-939	1.1	36
206	Miniaturised medium pressure capillary liquid chromatography system with flexible open platform design using off-the-shelf microfluidic components. <i>Analytica Chimica Acta</i> , 2015 , 896, 166-76	6.6	35
205	Properties of microdispersed sintered nanodiamonds as a stationary phase for normal-phase high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2010 , 1217, 498-505	4.5	35
204	Iminodiacetic acid functionalised monolithic silica chelating ion exchanger for rapid determination of alkaline earth metal ions in high ionic strength samples. <i>Analyst, The</i> , 2003 , 128, 417-20	5	35
203	3D printed LED based on-capillary detector housing with integrated slit. <i>Analytica Chimica Acta</i> , 2017 , 965, 131-136	6.6	34
202	UiO-66@SiO core-shell microparticles as stationary phases for the separation of small organic molecules. <i>Analyst, The</i> , 2017 , 142, 517-524	5	34
201	Low pressure ion chromatography with a low cost paired emitter-detector diode based detector for the determination of alkaline earth metals in water samples. <i>Analytica Chimica Acta</i> , 2006 , 577, 32-7	6.6	34
200	Phenylaminopropyl silica—a new specific stationary phase for high-performance liquid chromatography of phenols. <i>Journal of Chromatography A</i> , 2000 , 898, 23-34	4.5	34
199	Micro-bore titanium housed polymer monoliths for reversed-phase liquid chromatography of small molecules. <i>Journal of Chromatography A</i> , 2010 , 1217, 2138-46	4.5	33
198	Aminophosphonate-Functionalized Silica: A Versatile Chromatographic Stationary Phase for High-Performance Chelation Ion Chromatography. <i>Microchemical Journal</i> , 1999 , 62, 58-69	4.8	33
197	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

196	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
195	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
194	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
193	Ion-exchange properties of glutamic acid-bonded silica. <i>Journal of Chromatography A</i> , 1997 , 769, 179-188	4.5	32
192	Simultaneous separation and detection of anions and cations in ion chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2001 , 20, 311-319	14.6	32
191	Anion exchangers with branched functional ion exchange layers of different hydrophilicity for ion chromatography. <i>Journal of Chromatography A</i> , 2015 , 1408, 78-86	4.5	30
190	Intramolecular versus intermolecular mechanism of metallotropic rearrangements of chiral chromium tricarbonyl complexes of substituted naphthalenes and other polyaromatic compounds investigated by chiral HPLC of its racemic mixtures. <i>Journal of Organometallic Chemistry</i> , 2000 , 597, 42-47	2.3	30
189	Recent advances in stir-bar sorptive extraction: Coatings, technical improvements, and applications. <i>Analytica Chimica Acta</i> , 2020 , 1139, 222-240	6.6	30
188	Effect of temperature on retention of alkali and alkaline-earth metal ions on some aminocarboxylic acid functionalised silica based ion exchangers. <i>Journal of Chromatography A</i> , 1998 , 826, 15-23	4.5	29
187	Novel integrated paired emitter-detector diode (PEDD) as a miniaturized photometric detector in HPLC. <i>Analyst, The</i> , 2006 , 131, 938-43	5	29
186	Low-pressure gradient micro-ion chromatography with ultra-short monolithic anion exchange column. <i>Analyst, The</i> , 2004 , 129, 700-1	5	29
185	Use of temperature programming to improve resolution of inorganic anions, haloacetic acids and oxyhalides in drinking water by suppressed ion chromatography. <i>Journal of Chromatography A</i> , 2005 , 1072, 207-15	4.5	29
184	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
183	Investigation of solute-wall interactions in separation of uranium(vi) and lanthanides by capillary electrophoresis using on-capillary complexation with arsenazo iii. <i>Journal of Separation Science</i> , 1999 , 11, 1-9		28
182	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
181	Rapid on-line preconcentration and suppressed micro-bore ion chromatography of part per trillion levels of perchlorate in rainwater samples. <i>Analytica Chimica Acta</i> , 2006 , 567, 127-34	6.6	27
180	Double gradient ion chromatography using short monolithic columns modified with a long chained zwitterionic carboxybetaine surfactant. <i>Journal of Chromatography A</i> , 2006 , 1109, 111-9	4.5	27
179	Application of amino acid-bonded silicas as ion exchangers for the separation of anions by single-column ion chromatography. <i>Journal of Chromatography A</i> , 1992 , 605, 199-204	4.5	27

178	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
177	Preparation and characterisation of anion exchangers with dihydroxy-containing alkyl substitutes in the quaternary ammonium functional groups. <i>Journal of Chromatography A</i> , 2014 , 1323, 104-14	4.5	26
176	Non-invasive characterization of stationary phases in capillary flow systems using scanning capacitively coupled contactless conductivity detection (sC4D). <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 870-884	14.6	26
175	Separation of inorganic anions on a high capacity porous polymeric monolithic column and application to direct determination of anions in seawater. <i>Journal of Separation Science</i> , 2008 , 31, 2598-604	3.4	26
174	Selectivity behaviour of a bonded phosphonate-carboxylate polymeric ion exchanger for metal cations with varying eluent compositions. <i>Journal of Chromatography A</i> , 2003 , 997, 3-11	4.5	26
173	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
172	Separation of transition metals on a poly-iminodiacetic acid grafted polymeric resin column with post-column reaction detection utilising a paired emitter-detector diode system. <i>Journal of Chromatography A</i> , 2008 , 1213, 31-6	4.5	25
171	Ion-exchange properties of hypercrosslinked polystyrene impregnated with methyl orange. <i>Journal of Chromatography A</i> , 2001 , 920, 79-85	4.5	25
170	Microwave-assisted purification of detonation nanodiamond. <i>Diamond and Related Materials</i> , 2014 , 48, 37-46	3.5	24
169	Capillary electrophoresis for the analysis of paralytic shellfish poisoning toxins in shellfish: comparison of detection methods. <i>Electrophoresis</i> , 2014 , 35, 1496-503	3.6	24
168	First Isocratic Separation of Fourteen Lanthanides and Yttrium by High-performance Chelation Ion Chromatography. <i>Analytical Communications</i> , 1997 , 34, 7-8		24
167	Novel stationary phase with regulated anion-exchange capacity. <i>Journal of Chromatography A</i> , 2001 , 920, 87-93	4.5	24
166	Determination of beryllium in a stream sediment by high-performance chelation ion chromatography. <i>Journal of Chromatography A</i> , 2000 , 876, 127-33	4.5	24
165	Determination of uranium in environmental matrices by chelation ion chromatography using a high performance substrate dynamically modified with 2,6-pyridinedicarboxylic acid. <i>Chromatographia</i> , 2000 , 51, 695-700	2.1	24
164	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
163	Zinc marine biogeochemistry in seawater: a review. <i>Marine and Freshwater Research</i> , 2012 , 63, 644	2.2	23
162	Regularities of chromatographic retention of phenols on microdispersed sintered detonation nanodiamond in aqueous organic solvents. <i>Russian Journal of Physical Chemistry A</i> , 2010 , 84, 476-480	0.7	23
161	Synthesis and ion-exchange properties of silica chemically modified with aminophosphonic acid. <i>Journal of Chromatography A</i> , 1998 , 813, 47-53	4.5	23

160	Zwitterionic ion chromatography with carboxybetaine surfactant-coated particle packed and monolithic type columns. <i>Journal of Chromatography A</i> , 2005 , 1070, 71-8	4.5	23
159	Simultaneous ion chromatographic separation of anions and cations on poly(aspartic acid) functionalized silica. <i>Analyst, The</i> , 2001 , 126, 2119-23	5	23
158	Preparation, characterisation and modification of carbon-based monolithic rods for chromatographic applications. <i>Journal of Separation Science</i> , 2010 , 33, 1231-43	3.4	22
157	High-performance liquid chromatography of amino acid enantiomers on eremomycin-modified silica. <i>Journal of Analytical Chemistry</i> , 2008 , 63, 57-64	1.1	22
156	Phytoplankton calcification as an effective mechanism to alleviate cellular calcium poisoning. <i>Biogeosciences</i> , 2015 , 12, 6493-6501	4.6	21
155	Solvent enhanced ion chromatography of alkaline earth and transition metal ions on porous monolithic silica. <i>Analytica Chimica Acta</i> , 2005 , 553, 27-35	6.6	21
154	3D printing in analytical chemistry: current state and future. <i>Pure and Applied Chemistry</i> , 2020 , 92, 1341-1355	13.55	21
153	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
152	Prospects of pulsed amperometric detection in flow-based analytical systems - A review. <i>Analytica Chimica Acta</i> , 2019 , 1052, 10-26	6.6	20
151	Regularities of retention of benzoic acids on microdispersed detonation nanodiamonds in water-methanol mobile phases. <i>Russian Journal of Physical Chemistry A</i> , 2011 , 85, 1773-1777	0.7	19
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	Poly(tetrafluoroethylene) separation capillaries for capillary electrophoresis. Properties and applications. <i>Journal of Chromatography A</i> , 2004 , 1039, 193-9	4.5	18
148	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
147	Porous, High Capacity Coatings for Solid Phase Microextraction by Sputtering. <i>Analytical Chemistry</i> , 2016 , 88, 1593-600	7.8	17
146	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
145	Chelation ion chromatography of alkaline earth and transition metals a using monolithic silica column with bonded N-hydroxyethyliminodiacetic acid functional groups. <i>Journal of Chromatography A</i> , 2013 , 1276, 102-11	4.5	17
144	Organic solvent and temperature-enhanced ion chromatography-high resolution mass spectrometry for the determination of low molecular weight organic and inorganic anions. <i>Analytica Chimica Acta</i> , 2015 , 865, 83-91	6.6	17
143	High-Performance Chelation Chromatography of Metal Ions on Sorbents with Grafted Iminodiacetic Acid. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2002 , 28, 726-735	1.6	17

142	Application of linear model of sorption dynamics to the comparison of solid phase extraction systems of phenol. <i>Separation and Purification Technology</i> , 2003 , 33, 11-24	8.3	17
141	Separation of selected transition metals by capillary chelation ion chromatography using acetyl-iminodiacetic acid modified capillary polymer monoliths. <i>Journal of Chromatography A</i> , 2012 , 1249, 155-63	4.5	16
140	Use of complexing reagents as additives to the eluent for optimization of separation selectivity in high-performance chelation ion chromatography. <i>Journal of Chromatography A</i> , 2008 , 1213, 45-9	4.5	16
139	Flow Analysis Method Using Chelating CIM Monolithic Disks for Monitoring Dissolved Labile Copper in Environmental Water Samples. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006 , 29, 2201-2216	1.3	16
138	Double gradient ion chromatography on a short carboxybetaine coated monolithic anion exchanger. <i>Chemical Communications</i> , 2005 , 215-7	5.8	16
137	Sorbents with immobilized glycopeptide antibiotics for separating optical isomers by high-performance liquid chromatography. <i>Applied Biochemistry and Microbiology</i> , 2006 , 42, 536-544	1.1	16
136	Application of photo degradation for remediation of cyclic nitramine and nitroaromatic explosives. <i>RSC Advances</i> , 2016 , 6, 77603-77621	3.7	16
135	Evaluation of a miniaturised single-stage thermal modulator for comprehensive two-dimensional gas chromatography of petroleum contaminated soils. <i>Journal of Chromatography A</i> , 2016 , 1463, 162-8	4.5	15
134	Ion-exchange properties of microdispersed sintered detonation nanodiamond. <i>Adsorption</i> , 2016 , 22, 371-383	2.6	15
133	Novel Anion Exchangers with Spatially Distant Trimethylammonium Groups in Linear and Branched Hydrophilic Functional Layers. <i>Chromatographia</i> , 2015 , 78, 147-155	2.1	15
132	Dual gradient LC method for the determination of pharmaceutical residues in environmental samples using a monolithic silica reversed phase column. <i>International Journal of Environmental Analytical Chemistry</i> , 2006 , 86, 487-504	1.8	15
131	The ion chromatographic separation of high valence metal cations using a neutral polystyrene resin dynamically modified with dipicolinic acid. <i>Analyst, The</i> , 2000 , 125, 2157-9	5	15
130	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
129	Investigation of adsorption of phenols on detonation nanodiamonds using liquid column chromatography. <i>Diamond and Related Materials</i> , 2016 , 64, 49-56	3.5	14
128	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
127	On-column titration and investigation of metal complex formation for aminopolycarboxylate functionalised monoliths using scanning contactless conductivity detection. <i>Journal of Separation Science</i> , 2009 , 32, 2659-67	3.4	14
126	The use of a continuous flow gradient for the separation of inorganic anions on a monolithic disk. <i>Mendeleev Communications</i> , 2004 , 14, 121-122	1.9	14
125	High power deep UV-LEDs for analytical optical instrumentation. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1238-1243	8.5	14

124	Kinetics and selectivity of permanganate chemiluminescence: a study of hydroxyl and amino disubstituted benzene positional isomers. <i>Analytica Chimica Acta</i> , 2011 , 707, 121-7	6.6	13
123	Paired emitter-detector diode detection with dual wavelength monitoring for enhanced sensitivity to transition metals in ion chromatography with post-column reaction. <i>Analyst, The</i> , 2009 , 134, 124-30	5	13
122	A new high-performance chelation ion chromatographic system for the direct determination of trace transition metals in fuel ethanol. <i>Analytical Methods</i> , 2010 , 2, 1565	3.2	13
121	Separation of metal ions using a polymeric reversed-phase column and a Methylthymol Blue containing mobile phase. <i>Analytical Communications</i> , 1998 , 35, 17-20		13
120	Accurate non-invasive determination of pKa of surface functionalised ion exchange monoliths using capacitively coupled contactless conductivity detection. <i>Analyst, The</i> , 2008 , 133, 874-6	5	13
119	Use of Sulfonated Cation-Exchange Resin Based on Hypercrosslinked Polystyrene for the Separation of Organic Acids. <i>Journal of Analytical Chemistry</i> , 2001 , 56, 715-720	1.1	13
118	Anion-exchange ability of neutral hydrophobic hypercrosslinked polystyrene. <i>Analytical Communications</i> , 1999 , 36, 199-201		13
117	Separation of metal ions by reversed-phase liquid chromatography using on-column complexation with 2-pyridinecarboxylic acid. <i>Analytica Chimica Acta</i> , 1994 , 285, 161-168	6.6	13
116	Dipicolinic acid as eluent for the high-performance liquid chromatographic determination of transition metals using iminodiacetic acid-bonded silica. <i>Analyst, The</i> , 1994 , 119, 1329	5	13
115	Silica-bonded L-hydroxyproline and its application to the separation of inorganic anions. <i>Journal of High Resolution Chromatography</i> , 1991 , 14, 767-768		13
114	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
113	Miniaturised electrically actuated high pressure injection valve for portable capillary liquid chromatography. <i>Talanta</i> , 2018 , 180, 32-35	6.2	12
112	Flow-dependent separation selectivity for organic molecules on metal-organic frameworks containing adsorbents. <i>Chemical Communications</i> , 2016 , 52, 5301-4	5.8	12
111	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
110	Flow injection analysis of organic peroxide explosives using acid degradation and chemiluminescent detection of released hydrogen peroxide. <i>Talanta</i> , 2015 , 143, 191-197	6.2	12
109	Dynamic chelation ion chromatography of transition and heavy metal ions using a mobile phase containing 4-chlorodipicolinic acid. <i>Journal of Chromatography A</i> , 2002 , 953, 141-50	4.5	12
108	Effect of mobile phase composition on the enantioselectivity of chromatographic separation on a quinine-bonded silica stationary phase. <i>Journal of Chromatography A</i> , 1994 , 667, 19-28	4.5	12
107	Lateralization of opioid receptors in turtle visual cortex. <i>Brain Research</i> , 1989 , 480, 268-76	3.7	12

106	Separation and characterisation of detonation nanodiamond by capillary zone electrophoresis. <i>Electrophoresis</i> , 2014 , 35, 1864-72	3.6	11
105	Fast direct determination of strontium in seawater using high-performance chelation ion chromatography. <i>Microchemical Journal</i> , 2013 , 111, 8-15	4.8	11
104	Iminodiacetic acid functionalised organopolymer monoliths: application to the separation of metal cations by capillary high-performance chelation ion chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 2207-17	4.4	11
103	Assessing the extent, stability, purity and properties of silanised detonation nanodiamond. <i>Applied Surface Science</i> , 2015 , 357, 397-406	6.7	11
102	Ion-exchange properties of silica gel with covalently bonded histidine. <i>Journal of Analytical Chemistry</i> , 2007 , 62, 2-7	1.1	11
101	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
100	Modification of the surface chemistry of microdispersed sintered detonation nanodiamonds and its effect on the adsorption properties. <i>Adsorption</i> , 2017 , 23, 639-650	2.6	10
99	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
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