

# Pilar Campns-Falc

## List of Publications by Citations

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251  
papers

4,643  
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34  
h-index

48  
g-index

258  
ext. papers

5,090  
ext. citations

5.4  
avg, IF

5.66  
L-index

#	Paper	IF	Citations
251	Peptide Metal-Organic Frameworks for Enantioselective Separation of Chiral Drugs. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4294-4297	16.4	167
250	H-point standard additions method. Part 1. Fundamentals and application to analytical spectroscopy. <i>Analyst, The</i> , <b>1988</b> , 113, 1011-1016	5	130
249	A guide for selecting the most appropriate method for ammonium determination in water analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2006</b> , 25, 282-290	14.6	113
248	Recent advances of in-tube solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2015</b> , 71, 205-213	14.6	100
247	Column-switching techniques for high-performance liquid chromatography of drugs in biological samples. <i>Biomedical Applications</i> , <b>1993</b> , 619, 177-90		93
246	Magnetic in-tube solid phase microextraction. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 7233-40	7.8	74
245	Preconcentration of emerging contaminants in environmental water samples by using silica supported Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles for improving mass detection in capillary liquid chromatography. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 2276-83	4.5	58
244	Development of the H-point standard-additions method for ultraviolet-visible spectroscopic kinetic analysis of two-component systems. <i>Analytical Chemistry</i> , <b>1991</b> , 63, 2424-2429	7.8	58
243	Silica supported Fe(3)O(4) magnetic nanoparticles for magnetic solid-phase extraction and magnetic in-tube solid-phase microextraction: application to organophosphorous compounds. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 2211-5	4.4	55
242	An evaluation of solid phase microextraction for aliphatic amines using derivatization with 9-fluorenylmethyl chloroformate and liquid chromatography. <i>Journal of Chromatography A</i> , <b>2006</b> , 1104, 40-6	4.5	54
241	Preconcentration and dansylation of aliphatic amines using C18 solid-phase packings. Application to the screening analysis in environmental water samples. <i>Journal of Chromatography A</i> , <b>2002</b> , 978, 59-64	4.5	52
240	Creatinine determination in urine samples by batchwise kinetic procedure and flow injection analysis using the Jaffé reaction: chemometric study. <i>Talanta</i> , <b>2001</b> , 55, 1079-89	6.2	52
239	On-line derivatization into precolumns for the determination of drugs by liquid chromatography and column switching: determination of amphetamines in urine. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 734-9	7.8	52
238	New micromethod combining miniaturized matrix solid-phase dispersion and in-tube in-valve solid-phase microextraction for estimating polycyclic aromatic hydrocarbons in bivalves. <i>Journal of Chromatography A</i> , <b>2008</b> , 1211, 13-21	4.5	48
237	Analysis of 18 perfluorinated compounds in river waters: comparison of high performance liquid chromatography-tandem mass spectrometry, ultra-high-performance liquid chromatography-tandem mass spectrometry and capillary liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2010</b> , 1211, 22-27	4.5	47
236	Miniaturized matrix solid phase dispersion procedure and solid phase microextraction for the analysis of organochlorinated pesticides and polybrominated diphenylethers in biota samples by gas chromatography electron capture detection. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 6741-5	4.5	44
235	Application of solid-phase microextraction combined with derivatization to the determination of amphetamines by liquid chromatography. <i>Analytical Biochemistry</i> , <b>2004</b> , 333, 328-35	3.1	44

234	Improved detection limit for ammonium/ammonia achieved by Berthelot's reaction by use of solid-phase extraction coupled to diffuse reflectance spectroscopy. <i>Analytica Chimica Acta</i> , <b>2005</b> , 534, 327-334	6.6	44
233	Urine polyamines determination using dansyl chloride derivatization in solid-phase extraction cartridges and HPLC. <i>Analyst, The</i> , <b>1999</b> , 124, 477-82	5	44
232	Automatic in-tube SPME and fast liquid chromatography: a cost-effective method for the estimation of dibutyl and di-2-ethylhexyl phthalates in environmental water samples. <i>Analytica Chimica Acta</i> , <b>2008</b> , 610, 268-73	6.6	43
231	Evaluation and elimination of the Blank bias error Using the H-point standard addition method: Application to spectrophotometric determinations using absorbent blank. <i>Analytica Chimica Acta</i> , <b>1992</b> , 270, 253-265	6.6	43
230	In-tube solid-phase microextraction coupled by in valve mode to capillary LC-DAD: Improving detectability to multiresidue organic pollutants analysis in several whole waters. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 2695-702	4.5	42
229	In-tube solid-phase microextraction-capillary liquid chromatography as a solution for the screening analysis of organophosphorus pesticides in untreated environmental water samples. <i>Journal of Chromatography A</i> , <b>2007</b> , 1141, 10-21	4.5	42
228	Column-switching techniques for screening of diuretics and probenecid in urine samples. <i>Analytical Chemistry</i> , <b>1994</b> , 66, 244-8	7.8	42
227	On-fibre solid-phase microextraction coupled to conventional liquid chromatography versus in-tube solid-phase microextraction coupled to capillary liquid chromatography for the screening analysis of triazines in water samples. <i>Journal of Chromatography A</i> , <b>2006</b> , 1125, 159-71	4.5	41
226	Solid phase extraction of amines. <i>Analytica Chimica Acta</i> , <b>2005</b> , 546, 206-220	6.6	39
225	Solid-Phase Extraction Techniques for Assay of Diuretics in Human Urine Samples. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>1991</b> , 14, 3575-3590		38
224	Study of the behaviour of the absorbent blanks in analytical procedures by using the H-Point standard additions method (HPSAM). <i>Talanta</i> , <b>1994</b> , 41, 39-52	6.2	37
223	Generalized H-point standard additions method for analyte determinations in unknown samples. <i>Analytica Chimica Acta</i> , <b>1995</b> , 302, 323-333	6.6	37
222	In situ colorimetric quantification of silver cations in the presence of silver nanoparticles. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 10013-6	7.8	36
221	Application of solid-phase microextraction combined with derivatization to the enantiomeric determination of amphetamines. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 40, 1209-17	3.5	36
220	Amphetamine and methamphetamine determination in urine by reversed-phase high-performance liquid chromatography with simultaneous sample clean-up and derivatization with 1,2-naphthoquinone 4-sulphonate on solid-phase cartridges. <i>Biomedical Applications</i> , <b>1996</b> , 687, 239-46		36
219	Chromatographic separation of chlorthalidone enantiomers using beta-cyclodextrins as chiral additives. <i>Biomedical Applications</i> , <b>2000</b> , 740, 169-77		35
218	Sensitive and selective plasmonic assay for spermine as biomarker in human urine. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1347-51	7.8	34
217	Improving detection limits for organotin compounds in several matrix water samples by derivatization-headspace-solid-phase microextraction and GC-MS. <i>Talanta</i> , <b>2010</b> , 80, 1888-93	6.2	34

216	Sensitive determination of aliphatic amines in water by high-performance liquid chromatography with chemiluminescence detection. <i>Journal of Chromatography A</i> , <b>2004</b> , 1035, 75-82	4.5	33
215	Determination of amphetamine and related compounds in urine using on-line derivatization in octadecyl silica columns with 9-fluorenylmethyl chloroformate and liquid chromatography. <i>Biomedical Applications</i> , <b>1996</b> , 679, 69-78		33
214	A new selective method for dimethylamine in water analysis by liquid chromatography using solid-phase microextraction and two-stage derivatization with o-phthalaldehyde and 9-fluorenylmethyl chloroformate. <i>Talanta</i> , <b>2005</b> , 66, 1139-45	6.2	32
213	Chiral separation of ephedrines by liquid chromatography using Cyclodextrins. <i>Analytica Chimica Acta</i> , <b>2001</b> , 434, 315-324	6.6	32
212	Comparison of several methods used for the determination of cephalosporins. Analysis of cephalexin in pharmaceutical samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2002</b> , 29, 405-23	3.5	31
211	Strategies for the enantiomeric determination of amphetamine and related compounds by liquid chromatography. <i>Journal of Proteomics</i> , <b>2002</b> , 54, 147-67		31
210	New optical paper sensor for in situ measurement of hydrogen sulphide in waters and atmospheres. <i>Talanta</i> , <b>2016</b> , 156-157, 79-86	6.2	31
209	In tube-solid phase microextraction-nano liquid chromatography: Application to the determination of intact and degraded polar triazines in waters and recovered struvite. <i>Journal of Chromatography A</i> , <b>2017</b> , 1513, 51-58	4.5	30
208	Advantages of monolithic over particulate columns for multiresidue analysis of organic pollutants by in-tube solid-phase microextraction coupled to capillary liquid chromatography. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 6256-62	4.5	29
207	On-line analysis of carbonyl compounds with derivatization in aqueous extracts of atmospheric particulate PM10 by in-tube solid-phase microextraction coupled to capillary liquid chromatography. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 4834-9	4.5	29
206	Spectrophotometric analysis of mixtures of two components with extensively or completely overlapping spectra by the H-point standard additions method. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1990</b> , 338, 16-21		29
205	Adsorbent phases with nanomaterials for in-tube solid-phase microextraction coupled on-line to liquid nanochromatography. <i>Journal of Chromatography A</i> , <b>2016</b> , 1432, 17-25	4.5	28
204	Multiresidue analysis of organic pollutants by in-tube solid phase microextraction coupled to ultra-high performance liquid chromatography-electrospray-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2013</b> , 1306, 1-11	4.5	28
203	Chiral determination of amphetamine and related compounds using chloroformates for derivatization and high-performance liquid chromatography. <i>Analyst, The</i> , <b>1998</b> , 123, 2131-7	5	28
202	Comparative study of the determination of trimethylamine in water and air by combining liquid chromatography and solid-phase microextraction with on-fiber derivatization. <i>Talanta</i> , <b>2006</b> , 69, 716-23	6.2	28
201	Evaluation of Superparamagnetic Silica Nanoparticles for Extraction of Triazines in Magnetic in-Tube Solid Phase Microextraction Coupled to Capillary Liquid Chromatography. <i>Nanomaterials</i> , <b>2014</b> , 4, 242-255	5.4	27
200	Liquid chromatographic analysis of amphetamine and related compounds in urine using solid-phase extraction and 3,5-dinitrobenzoyl chloride for derivatization. <i>Journal of Chromatographic Science</i> , <b>1997</b> , 35, 169-75	1.4	27
199	Liquid chromatographic determination of aliphatic amines in water using solid support assisted derivatization with 9-fluorenylmethyl chloroformate. <i>Chromatographia</i> , <b>2002</b> , 55, 129-134	2.1	27

198	Ammonium Determination in Water Samples by Using Opa-Nac Reagent: A Comparative Study with Nessler and Ammonium Selective Electrode Methods. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2002</b> , 82, 475-489	1.8	27
197	Improved amphetamine and methamphetamine determination in urine by normal-phase high-performance liquid chromatography with sodium 1,2-naphthoquinone 4-sulphonate as derivatizing agent and solid-phase extraction for sample clean-up. <i>Biomedical Applications</i> , <b>1995</b> , 663, 235-45		27
196	Development of the H-point standard additions method for the use of spectrofluorimetry and synchronous spectrofluorimetry. <i>Analyst, The</i> , <b>1994</b> , 119, 2123-2127	5	27
195	Analysis of polar triazines and degradation products in waters by in-tube solid-phase microextraction and capillary chromatography: an environmentally friendly method. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 1485-97	4.4	26
194	A new derivatization procedure for the determination of cephalexin with 1,2-naphthoquinone 4-sulphonate in pharmaceutical and urine samples using solid-phase extraction cartridges and UV-visible detection. <i>Analytica Chimica Acta</i> , <b>1998</b> , 370, 115-123	6.6	26
193	Determination of ammonia and primary amine compounds and Kjeldahl nitrogen in water samples with a modified Roth's fluorimetric method. <i>Talanta</i> , <b>2005</b> , 65, 869-75	6.2	26
192	Development of the H-point standard additions method for coupled liquid chromatography and UV-visible spectrophotometry. <i>Analytica Chimica Acta</i> , <b>1992</b> , 257, 89-98	6.6	26
191	Analysis of methylamine by solid-phase microextraction and HPLC after on-fibre derivatization with 9-fluorenylmethyl chloroformate. <i>Analytica Chimica Acta</i> , <b>2004</b> , 513, 425-433	6.6	25
190	Development of the H-point standard additions method for analyte determinations in unknown matrix. <i>Analytica Chimica Acta</i> , <b>1993</b> , 283, 831-844	6.6	25
189	On-line determination of aliphatic amines in water using in-tube solid-phase microextraction-assisted derivatisation in in-valve mode for processing large sample volumes in LC. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 394, 557-65	4.4	24
188	Selective determination of ammonium in water based on HPLC and chemiluminescence detection. <i>Analytica Chimica Acta</i> , <b>2005</b> , 536, 121-127	6.6	24
187	Amphetamine and methamphetamine determination in urine by reversed-phase high-performance liquid chromatography with sodium 1,2-naphthoquinone 4-sulfonate as derivatizing agent and solid-phase extraction for sample clean-up. <i>Biomedical Applications</i> , <b>1995</b> , 672, 81-8		24
186	H-Point standard additions method for resolution of binary mixtures with simultaneous addition of both analytes. <i>Analytica Chimica Acta</i> , <b>1995</b> , 315, 267-278	6.6	24
185	A solid colorimetric sensor for the analysis of amphetamine-like street samples. <i>Analytica Chimica Acta</i> , <b>2016</b> , 943, 123-130	6.6	24
184	Derivatization of amines in solid-phase extraction supports with 9-fluorenylmethyl chloroformate for liquid chromatography. <i>Analytica Chimica Acta</i> , <b>1997</b> , 344, 125-136	6.6	23
183	Automated on-line in-tube solid-phase microextraction-assisted derivatization coupled to liquid chromatography for quantifying residual dimethylamine in cationic polymers. <i>Journal of Chromatography A</i> , <b>2008</b> , 1188, 118-23	4.5	23
182	Sensitive determination of methylenedioxyated amphetamines by liquid chromatography. <i>Analyst, The</i> , <b>2001</b> , 126, 581-6	5	23
181	Application of the H-point standard additions method by using absorbance increment values as analytical signals. <i>Talanta</i> , <b>1992</b> , 39, 1-7	6.2	23

180	Improved detection limits for screening of diuretics by coupled liquid chromatography and ultraviolet-visible spectrophotometry. <i>Biomedical Applications</i> , <b>1993</b> , 612, 245-51		23
179	A new tool for evaluating and/or selecting analytical methods: Summarizing the information in a hexagon. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 118, 538-547	14.6	22
178	Determination of carbonyl compounds in particulate matter PM2.5 by in-tube solid-phase microextraction coupled to capillary liquid chromatography/mass spectrometry. <i>Talanta</i> , <b>2013</b> , 115, 876-880	6.3	22
177	A miniaturized method for estimating di(2-ethylhexyl) phthalate in bivalves as bioindicators. <i>Journal of Chromatography A</i> , <b>2012</b> , 1260, 169-73	4.5	22
176	Determination of aliphatic amines in water by liquid chromatography using solid-phase extraction cartridges for preconcentration and derivatization. <i>Analyst, The</i> , <b>2001</b> , 126, 1683-8	5	22
175	Amphetamine and Methamphetamine Determinations in Biological Samples by High Performance Liquid Chromatography. A Review. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>1994</b> , 17, 731-747		22
174	On-line in-tube solid phase microextraction-capillary liquid chromatography method for monitoring degradation products of di-(2-ethylhexyl) phthalate in waters. <i>Journal of Chromatography A</i> , <b>2014</b> , 1347, 157-60	4.5	21
173	An in-tube SPME device for the selective determination of chlorophyll a in aquatic systems. <i>Talanta</i> , <b>2010</b> , 82, 952-6	6.2	21
172	Derivatization of amphetamine and methamphetamine with 1,2-naphthoquinone 4-sulfonic acid into solid-phase extraction cartridges. Determination of amphetamine in pharmaceutical and urine samples. <i>Analyst, The</i> , <b>1997</b> , 122, 673-7	5	21
171	Analysis of primary aliphatic short-chain monoamines by LC in water samples. <i>Talanta</i> , <b>2004</b> , 62, 373-82	6.2	21
170	o-Phthalaldehyde-N-acetylcysteine polyamine derivatives: formation and stability in solution and in C18 supports. <i>Biomedical Applications</i> , <b>2001</b> , 759, 285-97		21
169	Derivatization of ephedrine with o-phthalaldehyde for liquid chromatography after treatment with sodium hypochlorite. <i>Journal of Chromatography A</i> , <b>2000</b> , 893, 69-80	4.5	21
168	Extractive-spectrophotometric determination of amphetamine in urine samples with sodium 1,2-naphthoquinone 4-sulphonate. <i>Analytica Chimica Acta</i> , <b>1993</b> , 283, 635-644	6.6	21
167	Designing solid optical sensors for in situ passive discrimination of volatile amines based on a new one-step hydrophilic PDMS preparation. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 223, 333-342	8.5	20
166	Estimation of the presence of unmetabolized dialkyl phthalates in untreated human urine by an on-line miniaturized reliable method. <i>Science of the Total Environment</i> , <b>2015</b> , 532, 239-44	10.2	20
165	A cost-effective method for estimating di(2-ethylhexyl)phthalate in coastal sediments. <i>Journal of Chromatography A</i> , <b>2014</b> , 1324, 57-62	4.5	20
164	Liquid chromatographic determination of trimethylamine in water. <i>Journal of Chromatography A</i> , <b>2004</b> , 1023, 27-31	4.5	20
163	Analysis of Contact Traces of Cannabis by In-Tube Solid-Phase Microextraction Coupled to Nanoliquid Chromatography. <i>Molecules</i> , <b>2018</b> , 23,	4.8	20

162	Nylon-Supported Plasmonic Assay Based on the Aggregation of Silver Nanoparticles: In Situ Determination of Hydrogen Sulfide-like Compounds in Breath Samples as a Proof of Concept. <i>ACS Sensors</i> , <b>2019</b> , 4, 2164-2172	9.2	19
161	Analysis of Diuretics in Urine by Column-Switching Chromatography and Fluorescence Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>1997</b> , 20, 1867-1885	1.3	19
160	H-point curve isolation method for coupled liquid chromatography and UV-visible spectrophotometry. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 2559-65	7.8	19
159	A new flow cell design for chemiluminescence analysis. <i>Talanta</i> , <b>2001</b> , 55, 403-13	6.2	19
158	Estimation of diuretic drugs in biological fluids by HPLC. <i>Chromatographia</i> , <b>1992</b> , 33, 177-185	2.1	19
157	Study of the influence of temperature and precipitations on the levels of BTEX in natural waters. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 263 Pt 1, 131-8	12.8	18
156	A passive solid sensor for in-situ colorimetric estimation of the presence of ketamine in illicit drug samples. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 1137-1144	8.5	18
155	Ion-pair in-tube solid-phase microextraction and capillary liquid chromatography using a titania-based column: application to the specific lauralkonium chloride determination in water. <i>Journal of Chromatography A</i> , <b>2012</b> , 1248, 55-9	4.5	18
154	Automated determination of amphetamine enantiomers using a two-dimensional column-switching chromatographic system for derivatization and separation. <i>Analyst, The</i> , <b>1998</b> , 123, 319-324	5	18
153	Quantitative study of the capture of silver nanoparticles by several kinds of soils. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 1226-1236	10.2	17
152	Miniaturized liquid chromatography coupled on-line to in-tube solid-phase microextraction for characterization of metallic nanoparticles using plasmonic measurements. A tutorial. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1045, 23-41	6.6	17
151	In-tube solid-phase microextraction and liquid chromatography using a monolithic column for the selective determination of residual ethylenediamine in industrial cationic polymers. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 5827-32	7.8	17
150	The H-point and generalized H-point standard additions methods for flow injection procedures. <i>Talanta</i> , <b>1998</b> , 47, 193-202	6.2	17
149	Application of Carbon Nanotubes Modified Coatings for the Determination of Amphetamines by In-Tube Solid-Phase Microextraction and Capillary Liquid Chromatography. <i>Separations</i> , <b>2016</b> , 3, 7	3.1	17
148	Selective and sensitive method based on capillary liquid chromatography with in-tube solid phase microextraction for determination of monochloramine in water. <i>Journal of Chromatography A</i> , <b>2015</b> , 1388, 17-23	4.5	16
147	Determination of meropenem in endotracheal tubes by in-tube solid phase microextraction coupled to capillary liquid chromatography with diode array detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 151, 170-177	3.5	16
146	Colorimetric determination of alcohols in spirit drinks using a reversible solid sensor. <i>Food Control</i> , <b>2018</b> , 94, 7-16	6.2	16
145	Extractive-Spectrophotometric Determination of Furosemide with Sodium 1,2-Naphthoquinone-4-Sulphonate in Pharmaceutical Formulations.. <i>Analytical Letters</i> , <b>1997</b> , 30, 91-107	2.2	16

144	Selective determination of trimethylamine in air by liquid chromatography using solid phase extraction cartridges for sampling. <i>Journal of Chromatography A</i> , <b>2004</b> , 1042, 219-23	4.5	16
143	Determination of amphetamine and methamphetamine in urine with sodium 1,2-naphthoquinone 4-sulphonate using the H-point standard addition method. <i>Analytica Chimica Acta</i> , <b>1994</b> , 287, 41-48	6.6	16
142	Colorimetric biosensing dispositive based on reagentless hybrid biocomposite: Application to hydrogen peroxide determination. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 231, 837-846	8.5	16
141	Determination of amphetamines in hair by integrating sample disruption, clean-up and solid phase derivatization. <i>Journal of Chromatography A</i> , <b>2016</b> , 1447, 47-56	4.5	16
140	On-line in-tube solid phase microextraction coupled to capillary liquid chromatography-diode array detection for the analysis of caffeine and its metabolites in small amounts of biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 178, 112914	3.5	16
139	A direct Capillary Liquid Chromatography with electrochemical detection method for determination of phenols in water samples. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 7926-30	4.5	15
138	Collaborative study of an liquid chromatographic method for the determination of R-timolol and other related substances in S-timolol maleate. <i>Analytica Chimica Acta</i> , <b>2005</b> , 546, 182-192	6.6	15
137	Development of a polydimethylsiloxane-thymol/nitroprusside composite based sensor involving thymol derivatization for ammonium monitoring in water samples. <i>Science of the Total Environment</i> , <b>2015</b> , 503-504, 105-12	10.2	14
136	Automated pre-column derivatization of amines in biological samples with dansyl chloride and with or without post-column chemiluminescence formation by using TCPO-H <sub>2</sub> O <sub>2</sub> . <i>Analyst, The</i> , <b>1998</b> , 123, 2871-6	5	14
135	Off-line dansylation of amines using C18 solid-phase packings: study of the fluorescence and chemiluminescence detection by post-column derivatization with oxalic acid bis(2, 4, 6-trichloro phenyl ester)/H <sub>2</sub> O <sub>2</sub> in liquid chromatography. Determination of amphetamines in urine samples. <i>Analytica Chimica Acta</i> , <b>1999</b> , 378, 83-93	6.6	14
134	Determination of acetazolamide in human urine samples by reversed-phase high-performance liquid chromatography in the presence of xanthines. <i>Biomedical Applications</i> , <b>1992</b> , 582, 181-7		14
133	Zein as biodegradable material for effective delivery of alkaline phosphatase and substrates in biokits and biosensors. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 14-19	11.8	14
132	Towards sarcosine determination in urine for prostatic carcinoma detection. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 287, 380-389	8.5	14
131	Innovations in Extractive Phases for In-Tube Solid-Phase Microextraction Coupled to Miniaturized Liquid Chromatography: A Critical Review. <i>Molecules</i> , <b>2020</b> , 25,	4.8	13
130	New Tools for Characterizing Metallic Nanoparticles: AgNPs, A Case Study. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1485-93	7.8	13
129	A method for the determination of dimethylamine in air by collection on solid support sorbent with subsequent derivatization and spectrophotometric analysis. <i>Journal of Chromatography A</i> , <b>2004</b> , 1059, 17-24	4.5	13
128	Automated trace enrichment for screening and/or determination of primary, secondary and tertiary amphetamines in biological samples by liquid chromatography. <i>Analyst, The</i> , <b>1999</b> , 124, 239-44	5	13
127	Overview of the three multicriteria approaches applied to a global assessment of analytical methods. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 133, 116065	14.6	13



126	A sustainable on-line CapLC method for quantifying antifouling agents like irgarol-1051 and diuron in water samples: Estimation of the carbon footprint. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 611-618	10.2	13
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