Antonio Molina-Daz

List of Publications by Citations

219 papers	6,867 citations	44 h-index	69 g-index
220 ext. papers	7,419 ext. citations	5.2 avg, IF	5.89 L-index

#	Paper	IF	Citations
219	Occurrence of emerging contaminants, priority substances (2008/105/CE) and heavy metals in treated wastewater and groundwater at Depurbaix facility (Barcelona, Spain). *Science of the Total Environment*, **2010**, 408, 3584-95	10.2	214
218	Sample treatment and determination of pesticide residues in fatty vegetable matrices: a review. *Talanta*, **2009**, 79, 109-28	6.2	210
217	Direct monitoring of lipid oxidation in edible oils by Fourier transform Raman spectroscopy. *Chemistry and Physics of Lipids*, **2005**, 134, 173-82	3.7	185
216	Accurate-mass databases for comprehensive screening of pesticide residues in food by fast liquid chromatography time-of-flight mass spectrometry. *Analytical Chemistry*, **2009**, 81, 913-29	7.8	139
215	Ranking potential impacts of priority and emerging pollutants in urban wastewater through life cycle impact assessment. *Chemosphere*, **2008**, 74, 37-44	8.4	138
214	Determination of pesticide residues in olive oil and olives. *TrAC - Trends in Analytical Chemistry*, **2007**, 26, 239-251	14.6	130
213	Two-dimensional correlation spectroscopy and multivariate curve resolution for the study of lipid oxidation in edible oils monitored by FTIR and FT-Raman spectroscopy. *Analytica Chimica Acta*, **2007**, 593, 54-67	6.6	129
212	Desorption electrospray ionization mass spectrometry for trace analysis of agrochemicals in food. *Analytical Chemistry*, **2009**, 81, 820-9	7.8	126
211	Chemical evaluation of contaminants in wastewater effluents and the environmental risk of reusing effluents in agriculture. *TrAC - Trends in Analytical Chemistry*, **2009**, 28, 676-694	14.6	117
210	Comprehensive screening of target, non-target and unknown pesticides in food by LC-TOF-MS. *TrAC - Trends in Analytical Chemistry*, **2007**, 26, 828-841	14.6	113
209	Identification of pesticide transformation products in food by liquid chromatography/time-of-flight mass spectrometry via "fragmentation-degradation" relationships. *Analytical Chemistry*, **2007**, 79, 307-21	7.8	112
208	Large scale pesticide multiresidue methods in food combining liquid chromatography--time-of-flight mass spectrometry and tandem mass spectrometry. *Analytical Chemistry*, **2007**, 79, 7308-23	7.8	106
207	Analysis of drugs of abuse in biofluids by low temperature plasma (LTP) ionization mass spectrometry. *Analyst, The*, **2010**, 135, 927-33	5	104
206	Monitoring of selected priority and emerging contaminants in the Guadalquivir River and other related surface waters in the province of Jaén, South East Spain. *Science of the Total Environment*, **2014**, 479-480, 247-57	10.2	100
205	Direct, reagent-free determination of free fatty acid content in olive oil and olives by Fourier transform Raman spectrometry. *Analytica Chimica Acta*, **2003**, 487, 211-220	6.6	98
204	Large-scale pesticide testing in olives by liquid chromatography-electrospray tandem mass spectrometry using two sample preparation methods based on matrix solid-phase dispersion and QuEChERS. *Journal of Chromatography A*, **2010**, 1217, 6022-35	4.5	96
203	Screening of emerging contaminants and priority substances (2008/105/EC) in reclaimed water for irrigation and groundwater in a volcanic aquifer (Gran Canaria, Canary Islands, Spain). *Science of the Total Environment*, **2012**, 433, 538-46	10.2	91

202	Determination of pesticide residues in fruit-based soft drinks. *Analytical Chemistry*, **2008**, 80, 8966-74	7.8	91
201	Multi-residue method for the determination of over 400 priority and emerging pollutants in water and wastewater by solid-phase extraction and liquid chromatography-time-of-flight mass spectrometry. *Journal of Chromatography A*, **2014**, 1350, 30-43	4.5	88
200	Multiclass detection and quantitation of antibiotics and veterinary drugs in shrimps by fast liquid chromatography time-of-flight mass spectrometry. *Talanta*, **2011**, 85, 1419-27	6.2	84
199	Selection of calibration set samples in determination of olive oil acidity by partial least squares□ttenuated total reflectance□ourier transform infrared spectroscopy. *Analytica Chimica Acta*, **2003**, 489, 59-75	6.6	82
198	In-source fragmentation and accurate mass analysis of multiclass flavonoid conjugates by electrospray ionization time-of-flight mass spectrometry. *Journal of Mass Spectrometry*, **2011**, 46, 478-88	2.2	71
197	Application of high-performance liquid chromatography-tandem mass spectrometry with a quadrupole/linear ion trap instrument for the analysis of pesticide residues in olive oil. *Analytical and Bioanalytical Chemistry*, **2007**, 389, 1815-31	4.4	66
196	Analyses of pesticide residues in fruit-based baby food by liquid chromatography/electrospray ionization time-of-flight mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 2059-71	2.2	58
195	Determination of postharvest fungicides in fruit juices by solid-phase extraction followed by liquid chromatography electrospray time-of-flight mass spectrometry. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 10548-56	5.7	58
194	Searching for non-target chlorinated pesticides in food by liquid chromatography/time-of-flight mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2005**, 19, 2780-8	2.2	58
193	Evaluation of different cleanup sorbents for multiresidue pesticide analysis in fatty vegetable matrices by liquid chromatography tandem mass spectrometry. *Journal of Chromatography A*, **2016**, 1456, 89-104	4.5	57
192	Determination of oil and water content in olive pomace using near infrared and Raman spectrometry. A comparative study. *Analytical and Bioanalytical Chemistry*, **2004**, 379, 35-41	4.4	55
191	Using optical NIR sensor for on-line virgin olive oils characterization. *Sensors and Actuators B: Chemical*, **2005**, 107, 64-68	8.5	55
190	Retrospective screening of relevant pesticide metabolites in food using liquid chromatography high resolution mass spectrometry and accurate-mass databases of parent molecules and diagnostic fragment ions. *Journal of Chromatography A*, **2012**, 1249, 83-91	4.5	54
189	Screening and quantitation of multiclass drugs of abuse and pharmaceuticals in hair by fast liquid chromatography electrospray time-of-flight mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2011**, 879, 2034-42	3.2	54
188	Ambient diode laser desorption dielectric barrier discharge ionization mass spectrometry of nonvolatile chemicals. *Analytical Chemistry*, **2013**, 85, 3174-82	7.8	52
187	Generic sample treatment method for simultaneous determination of multiclass pesticides and mycotoxins in wines by liquid chromatography-mass spectrometry. *Journal of Chromatography A*, **2012**, 1249, 32-40	4.5	51
186	Degradation of caffeine by conductive diamond electrochemical oxidation. *Chemosphere*, **2013**, 93, 1720-4	8.4	50
185	Solid-phase spectrophotometric determination of trace amounts of hydrazine at sub-ng ml□ level. *Analytica Chimica Acta*, **1997**, 353, 115-122	6.6	50

184	Solid-phase UV spectrophotometric method for determination of ciprofloxacin. *Microchemical Journal*, **2004**, 77, 79-84	4.8	50
183	Removal of sulfamethoxazole from waters and wastewaters by conductive-diamond electrochemical oxidation. *Journal of Chemical Technology and Biotechnology*, **2012**, 87, 1441-1449	3.5	49
182	Simultaneous testing of multiclass organic contaminants in food and environment by liquid chromatography/dielectric barrier discharge ionization-mass spectrometry. *Analyst, The*, **2012**, 137, 5403-10	5	48
181	Olive fruit growth and ripening as seen by vibrational spectroscopy. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 82-7	5.7	47
180	A flow-through solid phase UV spectrophotometric biparameter sensor for the sequential determination of ascorbic acid and paracetamol. *Analytica Chimica Acta*, **2000**, 404, 131-139	6.6	47
179	Evaluation of nanoflow liquid chromatography high resolution mass spectrometry for pesticide residue analysis in food. *Journal of Chromatography A*, **2017**, 1512, 78-87	4.5	46
178	Fast determination of paracetamol by using a very simple photometric flow-through sensing device. *Journal of Pharmaceutical and Biomedical Analysis*, **2000**, 22, 59-66	3.5	46
177	Evaluation of two sample treatment methodologies for large-scale pesticide residue analysis in olive oil by fast liquid chromatography-electrospray mass spectrometry. *Journal of Chromatography A*, **2010**, 1217, 3736-47	4.5	45
176	A multicommuted fluorescence-based sensing system for simultaneous determination of Vitamins B2 and B6. *Analytica Chimica Acta*, **2006**, 555, 128-133	6.6	44
175	Simultaneous determination of paracetamol, caffeine and acetylsalicylic acid by means of a FI ultraviolet pls multioptosensing device. *Journal of Pharmaceutical and Biomedical Analysis*, **1999**, 21, 983-92	3.5	44
174	Overcoming matrix effects in electrospray: quantitation of □agonists in complex matrices by isotope dilution liquid chromatography-mass spectrometry using singly (13)C-labeled analogues. *Journal of Chromatography A*, **2013**, 1288, 40-7	4.5	43
173	Multi-residue determination of pesticides in fruit-based soft drinks by fast liquid chromatography time-of-flight mass spectrometry. *Talanta*, **2010**, 81, 1310-21	6.2	43
172	Terbium-sensitized luminescence optosensor for the determination of norfloxacin in biological fluids. *Analytica Chimica Acta*, **2005**, 532, 159-164	6.6	43
171	Simultaneous spectrofluorimetric determination of (acetyl)salicylic acid, codeine and pyridoxine in pharmaceutical preparations using partial least-squares multivariate calibration. *Journal of Pharmaceutical and Biomedical Analysis*, **2000**, 23, 837-44	3.5	41
170	Matrix-effect free multi-residue analysis of veterinary drugs in food samples of animal origin by nanoflow liquid chromatography high resolution mass spectrometry. *Food Chemistry*, **2018**, 245, 29-38	8.5	40
169	Solid-phase spectroscopy from the point of view of green analytical chemistry. *TrAC - Trends in Analytical Chemistry*, **2010**, 29, 654-666	14.6	39
168	Discrimination of olives according to fruit quality using Fourier transform Raman spectroscopy and pattern recognition techniques. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 6055-60	5.7	39
167	Determination of polar pesticides in olive oil and olives by hydrophilic interaction liquid chromatography coupled to tandem mass spectrometry and high resolution mass spectrometry. *Talanta*, **2016**, 158, 222-228	6.2	37

166	Screening of Over 600 Pesticides, Veterinary Drugs, Food-Packaging Contaminants, Mycotoxins, and Other Chemicals in Food by Ultra-High Performance Liquid Chromatography Quadrupole Time-of-Flight Mass Spectrometry (UHPLC-QTOFMS). *Food Analytical Methods*, **2017**, 10, 1216-1244	3.4	37
165	The potential of flow-through optosensors in pharmaceutical analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2002**, 28, 399-419	3.5	37
164	A flow-injection renewable surface sensor for the fluorimetric determination of vanadium(V) with Alizarin Red S. *Talanta*, **2005**, 66, 1333-9	6.2	36
163	Flow-through UV spectrophotometric sensor for determination of (acetyl)salicylic acid in pharmaceutical preparations. *International Journal of Pharmaceutics*, **2001**, 216, 95-104	6.5	36
162	Resolution of phenol, o-cresol, m-cresol and p-cresol mixtures by excitation fluorescence using partial least-squares (PLS) multivariate calibration. *Analytica Chimica Acta*, **1996**, 335, 23-33	6.6	36
161	Indirect determination of ascorbic acid by solid-phase spectrophotometry. *Analytica Chimica Acta*, **1998**, 360, 143-152	6.6	35
160	A selective optosensor for UV spectrophotometric determination of thiamine in the presence of other vitamins B. *Analytica Chimica Acta*, **1998**, 376, 227-233	6.6	35
159	Development of a photochemically induced fluorescence-based optosensor for the determination of imidacloprid in peppers and environmental waters. *Talanta*, **2007**, 72, 991-7	6.2	35
158	Determination of fungicide residues in baby food by liquid chromatography-ion trap tandem mass spectrometry. *Food Chemistry*, **2012**, 135, 780-6	8.5	33
157	Indirect spectrophotometric determination of ascorbic acid with ferrozine by flow-injection analysis. *Talanta*, **1998**, 47, 531-6	6.2	33
156	Use of a modified QuEChERS method for the determination of mycotoxin residues in edible nuts by nano flow liquid chromatography high resolution mass spectrometry. *Food Chemistry*, **2019**, 279, 144-149	8.5	33
155	A feasibility study of UHPLC-HRMS accurate-mass screening methods for multiclass testing of organic contaminants in food. *Talanta*, **2016**, 160, 704-712	6.2	32
154	Spectrophotometric determination of iron with ferrozine by flow-injection analysis. *Talanta*, **1997**, 44, 1793-801	6.2	31
153	Determination of azoxystrobin residues in grapes, musts and wines with a multicommuted flow-through optosensor implemented with photochemically induced fluorescence. *Analytica Chimica Acta*, **2007**, 585, 185-91	6.6	31
152	Gel-surface enhanced fluorescence sensing system coupled to a continuous-flow assembly for simultaneous monitoring of benomyl and carbendazim. *Analytica Chimica Acta*, **2003**, 493, 35-45	6.6	31
151	Basin-scale monitoring and risk assessment of emerging contaminants in South American Atlantic coastal lagoons. *Science of the Total Environment*, **2019**, 697, 134058	10.2	30
150	Comparative evaluation of liquid-liquid extraction, solid-phase extraction and solid-phase microextraction for the gas chromatography-mass spectrometry determination of multiclass priority organic contaminants in wastewater. *Talanta*, **2013**, 117, 382-91	6.2	30
149	Performance of dielectric barrier discharge ionization mass spectrometry for pesticide testing: a comparison with atmospheric pressure chemical ionization and electrospray ionization. *Rapid Communications in Mass Spectrometry*, **2013**, 27, 419-29	2.2	30

148	A single spectroscopic flow-through sensing device for determination of ciprofloxacin. *Journal of Pharmaceutical and Biomedical Analysis*, **2004**, 35, 689-95	3.5	30
147	Direct olive oil analysis by mass spectrometry: A comparison of different ambient ionization methods. *Talanta*, **2018**, 180, 168-175	6.2	29
146	Determination of thiabendazole residues in citrus fruits using a Multicommuted fluorescence-based optosensor. *Analytica Chimica Acta*, **2006**, 557, 95-100	6.6	29
145	Bead injection spectroscopy-flow injection analysis (BIS-FIA): an interesting tool applicable to pharmaceutical analysis. Determination of promethazine and trifluoperazine. *Journal of Pharmaceutical and Biomedical Analysis*, **2004**, 35, 1027-34	3.5	29
144	Flow injection-solid phase spectrofluorimetric determination of pyridoxine in presence of group B-vitamins. *FreseniusnJournal of Analytical Chemistry*, **1999**, 363, 265-269		29
143	Detection of main urinary metabolites of β-agonists clenbuterol, salbutamol and terbutaline by liquid chromatography high resolution mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2013**, 923-924, 128-35	3.2	28
142	Sensitive and selective determination of diclofenac sodium in pharmaceutical preparations by solid phase ultraviolet absorptiometry. *Analytica Chimica Acta*, **1998**, 369, 263-268	6.6	28
141	Simultaneous determination of thiamine and pyridoxine in pharmaceuticals by using a single flow-through biparameter sensor. *Journal of Pharmaceutical and Biomedical Analysis*, **2001**, 25, 619-30	3.5	28
140	UV SPECTROPHOTOMETRIC FLOW-THROUGH MULTIPARAMETER SENSOR FOR THE SIMULTANEOUS DETERMINATION OF ACETAMINOPHEN, ACETYLSALICYLIC ACID, AND CAFFEINE. *Analytical Letters*, **2002**, 35, 2433-2447	2.2	28
139	Rapid determination of BTEXS in olives and olive oil by headspace-gas chromatography/mass spectrometry (HS-GC-MS). *Talanta*, **2010**, 83, 391-9	6.2	27
138	Continuous flow-through solid phase spectrophotometric determination of trace amounts of zinc. *Analytica Chimica Acta*, **1998**, 375, 71-80	6.6	27
137	Solid-phase UV spectroscopic multisensor for the simultaneous determination of caffeine, dimenhydrinate and acetaminophen by using partial least squares multicalibration. *Talanta*, **1999**, 49, 691-701	6.2	27
136	Study of different HILIC, mixed-mode, and other aqueous normal-phase approaches for the liquid chromatography/mass spectrometry-based determination of challenging polar pesticides. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 4857-69	4.4	27
135	Influence of harvesting method and washing on the presence of pesticide residues in olives and olive oil. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 8538-44	5.7	26
134	Use of a solid sensing zone implemented with unsegmented flow analysis for simultaneous determination of thiabendazole and warfarin. *Analytica Chimica Acta*, **2002**, 459, 235-243	6.6	26
133	A Simple and Straightforward Procedure for Monitoring Phenol Compounds in Waters by Using UV Solid Phase Transduction Integrated in a Continuous Flow System. *Mikrochimica Acta*, **2003**, 141, 143-148	5.8	26
132	Implementation of multicommutation principle with flow-through multioptosensors. *Analytica Chimica Acta*, **2005**, 545, 113-118	6.6	26
131	A flow-through optosensing device with fluorimetric transduction for rapid and sensitive determination of dipyridamole in pharmaceuticals and human plasma. *European Journal of Pharmaceutical Sciences*, **2001**, 13, 385-91	5.1	26

130	A rapid and selective solid-phase UV spectrophotometric method for determination of ascorbic acid in pharmaceutical preparations and urine. *Journal of Pharmaceutical and Biomedical Analysis*, **1999**, 20, 247-54	3.5	26
129	Study on the occurrence of pesticide residues in fruit-based soft drinks from the EU market and morocco using liquid chromatography–mass spectrometry. *Food Control*, **2012**, 26, 341-346	6.2	24
128	Fluorimetric SIA optosensing in pharmaceutical analysis: determination of paracetamol. *Journal of Pharmaceutical and Biomedical Analysis*, **2007**, 45, 318-21	3.5	24
127	Development of a solid surface fluorescence-based sensing system for aluminium monitoring in drinking water. *Talanta*, **2005**, 65, 1203-8	6.2	24
126	A flow injection sensor for simultaneous determination of sulfamethoxazole and trimethoprim by using Sephadex SP C-25 for continuous on-line separation and solid phase UV transduction. *Journal of Pharmaceutical and Biomedical Analysis*, **2003**, 31, 669-77	3.5	24
125	Multiwavelength fluorescence based optosensor for simultaneous determination of fuberidazole, carbaryl and benomyl. *Talanta*, **2004**, 64, 742-9	6.2	24
124	Selective determination of pyridoxine in the presence of hydrosoluble vitamins using a continuous-flow solid phase sensing device with UV detection. *International Journal of Pharmaceutics*, **2000**, 202, 113-20	6.5	24
123	Comparative evaluation of seven different sample treatment approaches for large-scale multiclass sport drug testing in urine by liquid chromatography-mass spectrometry. *Journal of Chromatography A*, **2014**, 1361, 34-42	4.5	23
122	Fourier transform Raman spectrometry for the quantitative analysis of oil content and humidity in olives. *Applied Spectroscopy*, **2003**, 57, 233-7	3.1	23
121	Determination of Polyphenols in Commercial Extra Virgin Olive Oils from Different Origins (Mediterranean and South American Countries) by Liquid Chromatography–Electrospray Time-of-Flight Mass Spectrometry. *Food Analytical Methods*, **2014**, 7, 1824-1833	3.4	22
120	Development of a single fluorescence-based optosensor for rapid simultaneous determination of fungicides benomyl and thiabendazole in waters and commercial formulations. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 2197-202	5.7	22
119	Implementation of flow-through solid phase spectroscopic transduction with photochemically induced fluorescence: determination of thiamine. *Analytica Chimica Acta*, **2005**, 535, 161-168	6.6	22
118	A very simple resolution of the mixture paracetamol and salicylamide by flow injection–solid phase spectrophotometry. *Analytica Chimica Acta*, **1999**, 394, 149-158	6.6	22
117	Determination of ascorbic acid by use of a flow-through solid phase UV spectrophotometric system. *FreseniusJournal of Analytical Chemistry*, **1999**, 363, 92-97		22
116	Rapid determination of multiclass fungicides in wine by low-temperature plasma (LTP) ambient ionization mass spectrometry. *Analytical Methods*, **2015**, 7, 7345-7351	3.2	21
115	Multiclass determination of pesticides and priority organic pollutants in fruit-based soft drinks by headspace solid-phase microextraction/gas chromatography tandem mass spectrometry. *Analytical Methods*, **2011**, 3, 2221	3.2	21
114	A flow-through fluorimetric sensing device for determination of alpha- and beta-naphthol mixtures using a partial least-squares multivariate calibration approach. *Talanta*, **2003**, 60, 313-23	6.2	21
113	Multicommuted optosensor for the determination of pipemidic acid in biological fluids. *Analytical Biochemistry*, **2005**, 347, 330-2	3.1	21

112	Use of dielectric barrier discharge ionization to minimize matrix effects and expand coverage in pesticide residue analysis by liquid chromatography-mass spectrometry. *Analytica Chimica Acta*, **2018**, 1020, 76-85	6.6	20
111	Experimental and theoretical determination of pesticide processing factors to model their behavior during virgin olive oil production. *Food Chemistry*, **2018**, 239, 9-16	8.5	20
110	Quantification of Se-Methylselenocysteine and Its Glutamyl Derivative from Naturally Se-Enriched Green Bean (Phaseolus vulgaris vulgaris) After HPLC-ESI-TOF-MS and Orbitrap MSn-Based Identification. *Food Analytical Methods*, **2014**, 7, 1147-1157	3.4	20
109	Flow-through optosensor combined with photochemically induced fluorescence for simultaneous determination of binary mixtures of sulfonamides in pharmaceuticals, milk and urine. *Analytica Chimica Acta*, **2007**, 600, 164-71	6.6	20
108	A Prussian blue-based flow-through renewable surface optosensor for analysis of ascorbic acid. *Microchemical Journal*, **2004**, 78, 157-162	4.8	20
107	UV spectrophotometric flow-injection assay of tetracycline antibiotics retained on Sephadex QAE A-25 in drug formulations. *Microchemical Journal*, **2000**, 65, 325-331	4.8	20
106	Critical assessment of two sample treatment methods for multiresidue determination of veterinary drugs in milk by UHPLC-MS/MS. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 1433-1442	4.4	19
105	Gas chromatography triple quadrupole mass spectrometry method for monitoring multiclass organic pollutants in Spanish sewage treatment plants effluents. *Talanta*, **2013**, 111, 196-205	6.2	19
104	Potential chemical and microbiological risks on human health from urban wastewater reuse in agriculture. Case study of wastewater effluents in Spain. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2010**, 45, 300-9	2.2	19
103	Environmental water samples analysis of pesticides by means of chemometrics combined with fluorimetric multioptosensing. *Journal of Fluorescence*, **2007**, 17, 271-7	2.4	19
102	Sensing of trace amounts of cadmium in drinking water using a single fluorescence-based optosensor. *Microchemical Journal*, **2006**, 82, 94-99	4.8	19
101	Simultaneous determination of paracetamol and caffeine by flow injection-solid phase spectrometry using C18 silica gel as a sensing support. *Analytical Sciences*, **2002**, 18, 1241-6	1.7	19
100	Solid phase Fourier transform near infrared spectroscopy. *Analyst, The*, **1999**, 124, 579-582	5	19
99	Detection of over 100 selenium metabolites in selenized yeast by liquid chromatography electrospray time-of-flight mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2017**, 1060, 84-90	3.2	18
98	Determination of the Reaction Rate Constants and Decomposition Mechanisms of Ozone with Two Model Emerging Contaminants: DEET and Nortriptyline. *Industrial & Engineering Chemistry Research*, **2013**, 52, 17064-17073	3.9	18
97	Conductive-diamond electrochemical oxidation of chlorpyrifos in wastewater and identification of its main degradation products by LC-TOFMS. *Chemosphere*, **2012**, 89, 1169-76	8.4	18
96	Determination of organic priority pollutants in sewage treatment plant effluents by gas chromatography high-resolution mass spectrometry. *Talanta*, **2010**, 82, 1318-24	6.2	18
95	Multicommutated flow-through optosensors implemented with photochemically induced fluorescence: determination of flufenamic acid. *Analytical Biochemistry*, **2007**, 361, 280-6	3.1	18

94	Development of a multicommuted flow-through optosensor for the determination of a ternary pharmaceutical mixture. *Journal of Pharmaceutical and Biomedical Analysis*, **2007**, 43, 515-21	3.5	18
93	Chemiluminescence optosensing implemented with multicommutation: determination of salicylic acid. *Analytica Chimica Acta*, **2006**, 580, 149-54	6.6	18
92	Simultaneous Determination of Paracetamol, Caffeine and Propyphenazone in Pharmaceuticals by Means of a Single Flow-Through UV Multiparameter Sensor. *Mikrochimica Acta*, **2003**, 141, 157-163	5.8	18
91	Implementation of flow-through multi-sensors with bead injection spectroscopy: fluorimetric renewable surface biparameter sensor for determination of berillium and aluminum. *Talanta*, **2004**, 62, 879-86	6.2	18
90	Multicommuted flow-through fluorescence optosensor for determination of furosemide and triamterene. *Analytical and Bioanalytical Chemistry*, **2005**, 383, 797-803	4.4	18
89	Monitoring priority substances, other organic contaminants and heavy metals in a volcanic aquifer from different sources and hydrological processes. *Science of the Total Environment*, **2016**, 551-552, 186-96	10.2	17
88	Oxidation of chlorophene by ozonation: Kinetics, identification of by-products and reaction pathways. *Chemical Engineering Journal*, **2013**, 230, 447-455	14.7	17
87	Fourier-Transform Near-Infrared Spectroscopy as a Tool for Olive Fruit Classification and Quantitative Analysis. *Spectroscopy Letters*, **2005**, 38, 769-785	1.1	17
86	Resolution of biparametric mixtures using bead injection spectroscopic flow-through renewable surface sensors. *Analytical Sciences*, **2005**, 21, 1079-84	1.7	17
85	Fast flow-injection fluorimetric determination of amiloride by using a solid sensing zone. *Talanta*, **2002**, 56, 1005-13	6.2	17
84	Integrated flow injection-solid phase spectrophotometric determination of minoxidil. *Talanta*, **1999** , 50, 277-82	6.2	17
83	Ambient (desorption/ionization) mass spectrometry methods for pesticide testing in food: a review. *Analytical Methods*, **2020**, 12, 4831-4852	3.2	17
82	Flow-through optosensing device implemented with photochemically-induced fluorescence for the rapid and simple screening of metsulfuron methyl in environmental waters. *Journal of Environmental Monitoring*, **2009**, 11, 1080-5		16
81	Flow-through sensor with Fourier transform Raman detection for determination of sulfonamides. *Analyst, The*, **2005**, 130, 1617-23	5	16
80	Bead injection spectroscopic flow-through renewable surface sensors with commercial flow cells as an alternative to reusable flow-through sensors. *Analytica Chimica Acta*, **2003**, 482, 209-217	6.6	16
79	A simple solid phase spectrofluorimetric method combined with flow analysis for the rapid determination of salicylamide and salicylic acid in pharmaceutical samples. *FreseniusnJournal of Analytical Chemistry*, **1999**, 365, 619-624		16
78	Multicommuted fluorescence based optosensor for the screening of bitertanol residues in banana samples. *Food Chemistry*, **2007**, 102, 676-682	8.5	15
77	Sequential injection multi-optosensor based on a dual-luminescence system using two sensing zones: application to multivitamin determination. *Mikrochimica Acta*, **2008**, 162, 199-204	5.8	15

76	Multi-commutated Flow-through Multi-optosensing: A Tool for Environmental Analysis. *Spectroscopy Letters*, **2006**, 39, 619-629	1.1	15
75	Solid-phase ultraviolet sensing system for determination of methylxanthines. *Analytical and Bioanalytical Chemistry*, **2005**, 382, 158-63	4.4	15
74	Screening and confirmation capabilities of liquid chromatography-time-of-flight mass spectrometry for the determination of 200 multiclass sport drugs in urine. *Talanta*, **2015**, 134, 74-88	6.2	14
73	Combined data mining strategy for the systematic identification of sport drug metabolites in urine by liquid chromatography time-of-flight mass spectrometry. *Analytica Chimica Acta*, **2013**, 761, 1-10	6.6	14
72	Accurate mass analysis and structure elucidation of selenium metabolites by liquid chromatography electrospray time-of-flight mass spectrometry. *Journal of Analytical Atomic Spectrometry*, **2007**, 22, 947-959	3.7	14
71	Flow-Through Fluorescence-Based Optosensor with On-Line Solid-Phase Separation for the Simultaneous Determination of a Ternary Pesticide Mixture. *Journal of AOAC INTERNATIONAL*, **2005**, 88, 860-865	1.7	14
70	Matrix-effect free quantitative liquid chromatography mass spectrometry analysis in complex matrices using nanoflow LC with integrated emitter tip and high dilution factors. *Journal of Chromatography A*, **2017**, 1519, 110-120	4.5	13
69	Implementation of terbium-sensitized luminescence in sequential-injection analysis for automatic analysis of orbifloxacin. *Analytical and Bioanalytical Chemistry*, **2008**, 392, 1397-403	4.4	13
68	Assessment of dentifrice adulteration with diethylene glycol by means of ATR-FTIR spectroscopy and chemometrics. *Analytica Chimica Acta*, **2008**, 620, 113-9	6.6	13
67	SPECTROFLUORIMETRIC DETERMINATION OF ACETYLSALICYLIC ACID AND CODEINE MIXTURES IN PHARMACEUTICALS. *Analytical Letters*, **2001**, 34, 579-595	2.2	13
66	A FLOW ANALYSIS SYSTEM FOR THE RAPID DETERMINATION OF SULFONAMIDES USING A SOLID PHASE PHOTOMETRIC SENSING ZONE. *Analytical Letters*, **2002**, 35, 269-282	2.2	13
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