

# MÃ³nica CatalÃ¡-Icardo

## List of Publications by Year in descending order

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53  
papers

971  
citations

394421

19  
h-index

501196

28  
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53  
all docs

53  
docs citations

53  
times ranked

752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicommutation as a powerful new analytical tool. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 366-378.	11.4	66
2	New flow-multicommutation method for the photo-chemiluminometric determination of the carbamate pesticide asulam. <i>Analytica Chimica Acta</i> , 2004, 519, 113-120.	5.4	44
3	Photochemical-chemiluminometric determination of aldicarb in a fully automated multicommutation based flow-assembly. <i>Analytica Chimica Acta</i> , 2004, 512, 149-156.	5.4	39
4	A tandem-flow assembly for the chemiluminometric determination of hydroquinone. <i>Talanta</i> , 2004, 64, 618-625.	5.5	35
5	Determination of organothiophosphorus pesticides in water by liquid chromatography and post-column chemiluminescence with cerium(IV). <i>Journal of Chromatography A</i> , 2014, 1341, 31-40.	3.7	34
6	FI-on line photochemical reaction for direct chemiluminescence determination of photodegraded chloramphenicol. <i>Talanta</i> , 2003, 60, 405-414.	5.5	32
7	In situ generation of Co(II) by use of a solid-phase reactor in an FIA assembly for the spectrophotometric determination of penicillamine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 281-284.	2.8	32
8	Enhanced flow-injection chemiluminometric determination of sulphonamides by on-line photochemical reaction. <i>Analytica Chimica Acta</i> , 2003, 499, 57-69.	5.4	31
9	Automated simultaneous triple dissolution profiles of two drugs, sulphamethoxazole and trimethoprim and hydrochlorothiazide and captopril in solid oral dosage forms by a multicommutation flow-assembly and derivative spectrophotometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 549-557.	2.8	30
10	Photo-Induced Luminescence. <i>Critical Reviews in Analytical Chemistry</i> , 2008, 38, 118-130.	3.5	30
11	Determination of Amino Acids by Micellar High-Performance Liquid Chromatography and Pre-column Derivatization with O-Phthalaldehyde and N-Acetyl-L-cysteine. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995, 18, 2827-2841.	1.0	29
12	Determination of azoxystrobin and chlorothalonil using a methacrylate-based polymer modified with gold nanoparticles as solid-phase extraction sorbent. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 243-250.	3.7	28
13	Analytical strategy photodegradation/chemiluminescence/continuous-flow multicommutation methodology for the determination of the herbicide Propanil. <i>Talanta</i> , 2006, 69, 608-614.	5.5	27
14	Analysis of Pesticides by Flow Injection Coupled with Chemiluminescent Detection: A Review. <i>Analytical Letters</i> , 2011, 44, 146-175.	1.8	25
15	Selective flow-injection biamperometric determination of sulfur-containing amino acids and structurally related compounds. <i>Analytica Chimica Acta</i> , 2001, 438, 281-289.	5.4	24
16	FI-chemiluminometric study of thiazides by on-line photochemical reaction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 693-700.	2.8	23
17	Solid-phase reactors as high stability reagent sources in flow analysis: selective flow injection spectrophotometric determination of cysteine in pharmaceutical formulations. <i>Analyst</i> , The, 1998, 123, 1685-1689.	3.5	21
18	o-Dianisidine: a new reagent for selective spectrophotometric, flow injection determination of chlorine. <i>Analyst</i> , The, 2001, 126, 2087-2092.	3.5	21

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19	Extraction and preconcentration of organophosphorus pesticides in water by using a polymethacrylate-based sorbent modified with magnetic nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3561-3571.	3.7	21
20	Selective chlorine determination by gas diffusion in a tandem flow assembly and spectrophotometric detection with o-dianisidine. <i>Analytica Chimica Acta</i> , 2001, 443, 153-163.	5.4	20
21	Theoretical prediction of the chemiluminescence behaviour of the ergot alkaloids. <i>Analytica Chimica Acta</i> , 2004, 527, 177-186.	5.4	19
22	Preparation of organic monolithic columns in polytetrafluoroethylene tubes for reversed-phase liquid chromatography. <i>Analytica Chimica Acta</i> , 2017, 960, 160-167.	5.4	19
23	Recent Advances in Molecularly Imprinted Membranes for Sample Treatment and Separation. <i>Separations</i> , 2020, 7, 69.	2.4	19
24	Correlation between hydrophobicity of amino acids and retention data in reversed-phase liquid chromatography with micellar eluents. <i>Chromatographia</i> , 1995, 41, 455-461.	1.3	18
25	Flow injection-photoinduced-chemiluminescence determination of ziram and zineb. <i>Analytica Chimica Acta</i> , 2008, 625, 173-179.	5.4	18
26	Determination of nitrite by inhibition of the chemiluminescence of acriflavine in a flow-injection assembly. <i>Analyst, The</i> , 2001, 126, 1423-1427.	3.5	17
27	Flow injection biampometric determination of chloramine-T in environmental, pharmaceutical and veterinary samples. <i>Analytica Chimica Acta</i> , 2000, 407, 187-192.	5.4	16
28	A Fully Automated Assembly Using Solenoid Valves for the Photodegradation and Chemiluminometric Determination of the Herbicide Chlorsulfuron. <i>Analytical Letters</i> , 2005, 38, 179-194.	1.8	16
29	Determination of diquat by flow injection chemiluminescence. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1073-1079.	3.7	16
30	Flow spectrophotometric determination of ammonium ion. <i>Analytica Chimica Acta</i> , 1999, 398, 311-318.	5.4	15
31	Fluorescence Determination of the Pesticide Asulam by Flow Injection Analysis. <i>Analytical Sciences</i> , 2006, 22, 21-24.	1.6	15
32	Development of hybrid monoliths incorporating metal-organic frameworks for stir bar sorptive extraction coupled with liquid chromatography for determination of estrogen endocrine disruptors in water and human urine samples. <i>Mikrochimica Acta</i> , 2022, 189, 92.	5.0	15
33	Chemiluminescent Determination of the Pesticide Bromoxynil by On-line Photodegradation in a Flow-Injection System. <i>Analytical Sciences</i> , 2006, 22, 29-34.	1.6	14
34	Photografted fluoropolymers as novel chromatographic supports for polymeric monolithic stationary phases. <i>Talanta</i> , 2018, 187, 216-222.	5.5	14
35	Determination of benzomercaptans in environmental complex samples by combining zeolitic imidazolate framework-8-based solid-phase extraction and high-performance liquid chromatography with UV detection. <i>Journal of Chromatography A</i> , 2020, 1631, 461580.	3.7	13
36	Molecular connectivity as a relevant new tool for predicting analytical behavior: A survey of chemiluminescence and chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 782-791.	11.4	12

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37	Native vs photoinduced chemiluminescence in dimethoate determination. <i>Analytica Chimica Acta</i> , 2012, 710, 81-87.	5.4	11
38	Flow-Injection Chemiluminescent Determination of Thiamine in Pharmaceutical Samples by Online Photodegradation. <i>Analytical Letters</i> , 2004, 37, 3205-3218.	1.8	9
39	Influence of photo-initiators in the preparation of methacrylate monoliths into poly(ethylene-co-tetrafluoroethylene) tubing for microbore HPLC. <i>Analytica Chimica Acta</i> , 2020, 1093, 160-167.	5.4	9
40	Weak anion-exchange mixed-mode materials to selectively extract acidic compounds by stir bar sorptive extraction from environmental waters. <i>Journal of Chromatography A</i> , 2022, 1663, 462748.	3.7	9
41	Determination of <i>N</i> -methylcarbamate pesticides using flow injection with photoinduced chemiluminescence detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 606-617.	3.3	8
42	FI-photoinduced Chemiluminescence Method for Diuron Determination in Water Samples. <i>Analytical Sciences</i> , 2011, 27, 291-296.	1.6	7
43	Preparation of monolithic polymer-magnetite nanoparticle composites into poly(ethylene-co-tetrafluoroethylene) tubes for uses in micro-bore HPLC separation and extraction of phosphorylated compounds. <i>Talanta</i> , 2021, 224, 121806.	5.5	7
44	Three simultaneous dissolution profiles on a solid pharmaceutical formulation by a FIA manifold provided with a single spectrophotometric detector. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 33, 1039-1048.	2.8	6
45	Development of a Flow Injection Manifold for Napropamide Determination by Photo-Induced Chemiluminescence. <i>Analytical Letters</i> , 2012, 45, 872-882.	1.8	6
46	Fast Determination of Thiachloprid by Photoinduced Chemiluminescence. <i>Applied Spectroscopy</i> , 2014, 68, 642-648.	2.2	6
47	Correlation between hydrophobicity of amino acids and retention data in reversed-phase liquid chromatography with micellar eluents. <i>Chromatographia</i> , 1995, 41, 455-461.	1.3	5
48	Photoinduced chemiluminescence determination of carbamate pesticides. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 626-634.	2.9	5
49	Selective and Sensitive Chemiluminescence Determination of MCPB: Flow Injection and Liquid Chromatography. <i>Applied Spectroscopy</i> , 2016, 70, 312-321.	2.2	5
50	FIA-Chemiluminescence Determination of Acridine Yellow. <i>Analytical Letters</i> , 2003, 36, 1039-1049.	1.8	4
51	Development of a Photoinduced Chemiluminescent Method for the Determination of the Herbicide Quinmerac in Water. <i>Applied Spectroscopy</i> , 2015, 69, 1199-1204.	2.2	3
52	Entrapment of FePO <sub>4</sub> in a polymeric matrix and their application to FIA-spectrophotometric determination of thioridazine and chlorpromazine in pharmaceutical formulations. <i>Laboratory Robotics and Automation</i> , 1998, 10, 33-37.	0.2	2
53	In situ preparation of nitrous acid solutions by photoreduction in a flow assembly for analysis of pharmaceuticals. <i>Analytica Chimica Acta</i> , 2003, 476, 131-139.	5.4	1