

# Aurelia Alañán Molina

## List of Publications by Year in descending order

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58  
papers

847  
citations

471371

17  
h-index

552653

26  
g-index

58  
all docs

58  
docs citations

58  
times ranked

623  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous determination of atenolol, propranolol, dipyridamole and amiloride by means of non-linear variable-angle synchronous fluorescence spectrometry. <i>Analytica Chimica Acta</i> , 1998, 370, 9-18.	2.6	79
2	FTOTAL, A program to process total luminescence spectra. <i>Computers &amp; Chemistry</i> , 1993, 17, 341-354.	1.2	41
3	Cyclodextrin enhanced spectrofluorimetric determination of fluoxetine in pharmaceuticals and biological fluids. <i>Talanta</i> , 2002, 58, 301-309.	2.9	36
4	Automatic chemiluminescence-based determination of carbaryl in various types of matrices. <i>Talanta</i> , 2006, 68, 586-593.	2.9	34
5	Direct analysis of amiloride and triamterene mixtures by fluorescence spectrometry using partial-least squares calibration. <i>Analytica Chimica Acta</i> , 2001, 449, 179-187.	2.6	33
6	Direct determination of closely overlapping drug mixtures of diflunisal and salicylic acid in serum by means of derivative matrix isopotential synchronous fluorescence spectrometry. <i>Analytica Chimica Acta</i> , 2007, 583, 55-62.	2.6	33
7	Resolution of Ofloxacin and Ciprofloxacin and Ofloxacin and Norfloxacin Binary Mixtures by Flow-Injection Chemiluminescence in Combination with Partial Least Squares Multivariate Calibration. <i>Journal of Fluorescence</i> , 2007, 17, 481-491.	1.3	33
8	Matrix isopotential synchronous fluorescence Direct determination of gentisic acid in urine. <i>Analytica Chimica Acta</i> , 1994, 296, 87-97.	2.6	29
9	Determination of salicylic and gentisic acids in the presence of each other by matrix isopotential synchronous fluorescence spectrometry. <i>Analyst, The</i> , 1994, 119, 1915-1919.	1.7	25
10	Determination of amoxicillin and cephalixin in mixtures by second-derivative spectrophotometry. <i>Analyst, The</i> , 1990, 115, 1117-1119.	1.7	23
11	Stopped-flow determination of dipyridamole in pharmaceutical preparations by micellar-stabilized room temperature phosphorescence. <i>Talanta</i> , 1999, 48, 1061-1073.	2.9	23
12	Determination of hydrochlorothiazide in pharmaceutical preparations by time resolved chemiluminescence. <i>Analytica Chimica Acta</i> , 2004, 518, 37-43.	2.6	23
13	Simultaneous Direct Determination of Amiloride and Triamterene in Urine Using Isopotential Fluorometry. <i>Analytical Biochemistry</i> , 2001, 292, 59-68.	1.1	22
14	Determination of nafcillin and methicillin by different spectrofluorimetric techniques. <i>Talanta</i> , 1994, 41, 21-30.	2.9	21
15	Direct Determination of Amiloride in Urine Using Isopotential Fluorimetry. <i>Analyst, The</i> , 1997, 122, 247-252.	1.7	21
16	Direct Determination of Dipyridamole in Serum. <i>Analytical Biochemistry</i> , 1997, 245, 8-16.	1.1	20
17	Simultaneous determination of nafcillin and methicillin by different fluorimetric techniques using partial least-squares calibration. <i>Analyst, The</i> , 1998, 123, 1073-1077.	1.7	18
18	Phosphorimetric Determination of Dipyridamole in Pharmaceutical Preparations. <i>Analyst, The</i> , 1997, 122, 253-258.	1.7	16

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19	Direct determination of triamterene in urine by matrix isopotential synchronous fluorescence spectrometry. <i>Analytica Chimica Acta</i> , 1996, 326, 117-126.	2.6	15
20	Fluorescence characteristics of several whey samples subjected to different treatments and conditions. <i>Analytica Chimica Acta</i> , 2005, 536, 153-158.	2.6	15
21	Determination of Ciprofloxacin, the Major Metabolite of Enrofloxacin, in Milk by Isopotential Fluorimetry. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 8838-8843.	2.4	15
22	Direct determination of naftopidil by non-protected fluid room temperature phosphorescence. <i>Analyst, The</i> , 2001, 126, 234-238.	1.7	14
23	Rapid Simultaneous Determination of Four Non-Steroidal Anti-Inflammatory Drugs by Means of Derivative Nonlinear Variable-Angle Synchronous Fluorescence Spectrometry. <i>Applied Spectroscopy</i> , 2010, 64, 949-955.	1.2	14
24	Derivative linear variable-angle scanning fluorescence spectrometry for the determination of closely overlapping drug mixtures. <i>Analytica Chimica Acta</i> , 1996, 319, 361-368.	2.6	13
25	Simplex optimization of the variables affecting the micelle-stabilized room temperature phosphorescence of 6-methoxy-2-naphthylacetic acid and its kinetic determination in human urine. <i>Analytical Biochemistry</i> , 2005, 339, 157-164.	1.1	13
26	Phosphorimetric determination of nafronyl in pharmaceutical preparations. <i>Analytica Chimica Acta</i> , 1999, 382, 77-85.	2.6	12
27	Determination of nafcillin by room temperature phosphorescence. <i>Analytica Chimica Acta</i> , 2000, 423, 85-93.	2.6	12
28	Simplex optimization and kinetic determination of nabumetone in pharmaceutical preparations by micellar <sup>â€</sup> stabilized room temperature phosphorescence. <i>Analytica Chimica Acta</i> , 2005, 528, 77-82.	2.6	12
29	Simultaneous determination of two anti-inflammatory drugs in serum using isopotential fluorimetry. <i>Analytica Chimica Acta</i> , 2008, 625, 47-54.	2.6	12
30	Rapid Chemiluminescent Determination of Enrofloxacin in Eggs and Veterinary Drugs. <i>Analytical Letters</i> , 2011, 44, 2194-2208.	1.0	12
31	Direct determination of nalidixic acid in urine by matrix isopotential synchronous fluorescence spectrometry. <i>Talanta</i> , 1996, 43, 431-438.	2.9	11
32	Direct determination of salicylamide in serum by matrix isopotential synchronous fluorimetry. <i>Talanta</i> , 2002, 56, 557-564.	2.9	11
33	Simplex optimization of the variables influencing the determination of pefloxacin by time-resolved chemiluminescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 117-124.	2.0	11
34	Simultaneous determination of salicylic acid and salicylamide in biological fluids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 909-914.	2.0	10
35	Direct Determination of Salicylic Acid in Human Serum by Matrix Isopotential Synchronous Fluorescence. <i>Microchemical Journal</i> , 1995, 52, 341-349.	2.3	9
36	Direct determination of quinidine in urine. <i>Analytica Chimica Acta</i> , 1995, 317, 359-364.	2.6	9

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37	A sensitive resonance Rayleigh scattering sensor for dopamine in urine using upconversion nanoparticles. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 406-413.	1.2	9
38	Application of non-linear angle synchronous spectrofluorimetry to the determination of complex mixtures of drugs in urine: A comparative study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 190-198.	2.0	8
39	Simultaneous Determination of Mefenamic and Tolfenamic Acids in Real Samples by Terbium-Sensitized Luminescence. <i>Journal of Fluorescence</i> , 2012, 22, 1483-1492.	1.3	7
40	Rapid and Simple Determination of Sarafloxacin in Egg by Time-Resolved Chemiluminescence. <i>Food Analytical Methods</i> , 2013, 6, 1153-1161.	1.3	7
41	Direct Determination of Danofloxacin and Flumequine in Milk by Use of Fluorescence Spectrometry in Combination with Partial Least-Squares Calibration. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2655-2660.	2.4	7
42	Simultaneous Determination of Mefenamic and Flufenamic Acids in Real Samples by Terbium-Sensitized Luminescence. <i>Analytical Letters</i> , 2012, 45, 2807-2822.	1.0	6
43	Non-protected fluid room-temperature phosphorimetric procedure for the direct determination of naftopidil in biological fluids. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 903-908.	1.5	5
44	Determination of 4-Methylpropranolol in Cerebrospinal Fluid, Serum, and Urine by Nonprotected Fluid Room-Temperature Phosphorescence Using Simplex Optimization. <i>Analytical Biochemistry</i> , 2002, 306, 270-277.	1.1	5
45	Simple and rapid determination of the active metabolite of nabumetone in biological fluids by heavy atom-induced room temperature phosphorescence. <i>Analytica Chimica Acta</i> , 2005, 554, 37-42.	2.6	5
46	Determination of piroxicam in pharmaceutical preparations by continuous-flow chemiluminescence. <i>Analytical Methods</i> , 2010, 2, 76-81.	1.3	5
47	Use of Total Fluorescence Spectroscopy for the Highly Sensitive Simultaneous Determination of Fluoroquinolones in Rabbit Plasma. <i>Journal of Analytical Chemistry</i> , 2021, 76, 733-741.	0.4	5
48	Rapid assay for procaine penicillin G in pharmaceutical dosages by spectrofluorimetry. <i>Talanta</i> , 1993, 40, 1201-1206.	2.9	4
49	Kinetic Fluorometric Determination of Malonaldehyde Based on the Hantzsch Reaction: Application to Olive Oil Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 172-177.	2.4	4
50	Rapid determination of hydroflumethiazide in dosage forms by time-resolved chemiluminescence. <i>Mikrochimica Acta</i> , 2007, 159, 349-356.	2.5	4
51	Simultaneous determination of nabumetone and its principal metabolite in medicines and human urine by time-resolved fluorescence. <i>Analyst, The</i> , 2012, 137, 5144.	1.7	4
52	Rapid determination of ciprofloxacin in urine by matrix isotential synchronous spectrometry. <i>Analytical Methods</i> , 2012, 4, 3413.	1.3	4
53	New rapid assay for methicillin by spectrofluorimetry in pharmaceutical dosage forms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994, 12, 629-633.	1.4	3
54	Development of a Spectrofluorimetric Method for the Determination of Ofloxacin in Urine. <i>Applied Spectroscopy</i> , 2013, 67, 1029-1035.	1.2	3

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55	Simultaneous Determination of Doxycycline and Chlortetracycline in Real Samples by Europium-Sensitized Luminescence. <i>Applied Spectroscopy</i> , 2013, 67, 371-378.	1.2	1
56	Simple and rapid determination of salsalate in pharmaceutical preparations by chemiluminescence. <i>Analytical Methods</i> , 2014, 6, 3329.	1.3	1
57	Application of time-resolved fluorescence to the determination of metabolites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 82-90.	2.0	0
58	Direct determination of antibacterial norfloxacin in urine by isopotential fluorimetry. <i>Journal of Analytical Chemistry</i> , 2014, 69, 735-740.	0.4	0