

# Gregorio Castañeda

## List of Publications by Year in descending order

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72  
papers

1,533  
citations

279798

23  
h-index

377865

34  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of toxicity assays for enantiomeric discrimination of pharmaceutical substances. <i>Chirality</i> , 2009, 21, 751-759.	2.6	74
2	Simultaneous spectrophotometric determination of ethinylestradiol and levonorgestrel by partial least squares and principal component regression multivariate calibration. <i>Analytica Chimica Acta</i> , 1997, 340, 257-265.	5.4	67
3	Method development and validation for the separation and determination of omeprazole enantiomers in pharmaceutical preparations by capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2005, 533, 127-133.	5.4	54
4	New CE-ESI-MS analytical method for the separation, identification and quantification of seven phenolic acids including three isomer compounds in virgin olive oil. <i>Talanta</i> , 2009, 79, 1238-1246.	5.5	54
5	Voltammetric behavior of sildenafil citrate (Viagra) using square wave and adsorptive stripping square wave techniques. <i>Analytica Chimica Acta</i> , 2000, 417, 143-148.	5.4	51
6	Determination of zearalenone and its metabolites in urine samples by liquid chromatography with electrochemical detection using a carbon nanotube-modified electrode. <i>Journal of Chromatography A</i> , 2008, 1212, 54-60.	3.7	48
7	Simultaneous determination of cis- and trans-resveratrol in wines by capillary zone electrophoresis. <i>Analyst</i> , 1999, 124, 61-66.	3.5	45
8	Development and validation method for determination of fluoxetine and its main metabolite norfluoxetine by nonaqueous capillary electrophoresis in human urine. <i>Talanta</i> , 2005, 65, 163-171.	5.5	44
9	Simultaneous Determination of Ethinylestradiol and Levonorgestrel in Oral Contraceptives by Derivative Spectrophotometry. <i>Analyst</i> , 1997, 122, 41-44.	3.5	43
10	Determination of sulfametoxazole, sulfadiazine and associated compounds in pharmaceutical preparations by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2001, 918, 205-210.	3.7	42
11	Determination of sildenafil citrate and its main metabolite by sample stacking with polarity switching using micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2002, 953, 279-286.	3.7	42
12	Electrochemical sensor for leukemia drug imatinib determination in urine by adsorptive stripping square wave voltammetry using modified screen-printed electrodes. <i>Electrochimica Acta</i> , 2018, 269, 668-675.	5.2	39
13	Capillary Electrophoresis as an Alternative Method for the Determination of Cefotaxime. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995, 18, 3877-3887.	1.0	30
14	Development of a Micellar electrokinetic capillary chromatography method for the determination of three drugs employed in the erectile dysfunction therapy. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 811, 231-236.	2.3	30
15	Direct and fast determination of paclitaxel, morphine and codeine in urine by micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2012, 1231, 66-72.	3.7	29
16	Effect of amoxicillin exposure on brain, gill, liver, and kidney of common carp ( <i>Cyprinus</i> ) Tj ETQq 0 0 rgBT /Overlock 10 Tf, 50 142 Td	4.0	29
17	Determination of sildenafil citrate (viagra) and its metabolite (UK-103,320) by square-wave and adsorptive stripping square-wave voltammetry. Total determination in biological samples. <i>Talanta</i> , 2004, 62, 427-432.	5.5	28
18	Determination of sulfamethoxazole and trimethoprim by ratio spectra derivative spectrophotometry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 342, 723-728.	1.5	27

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19	Evaluation of Capillary Zone Electrophoresis and Micellar Electrokinetic Capillary Chromatography with Direct Injection of Plasma for the Determination of Cefotaxime and Its Metabolite. <i>Analytical Chemistry</i> , 1997, 69, 1364-1369.	6.5	27
20	Simultaneous determination of sulfamethoxypyridazine, sulfamethoxazole, sulfadimethoxine and their associated compounds by liquid chromatography. <i>Analytica Chimica Acta</i> , 2001, 442, 241-248.	5.4	26
21	Cationic Bis(cyclometalated) Ir(III) Complexes with Pyridine-Carbene Ligands. Photophysical Properties and Photocatalytic Hydrogen Production from Water. <i>Inorganic Chemistry</i> , 2018, 57, 970-984.	4.0	26
22	Spectral ratio derivative spectrophotometric determination of sulphaquinoxaline and pyrimethamine in veterinary formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993, 11, 601-607.	2.8	24
23	Partial least squares method in the analysis by square wave voltammetry. Simultaneous determination of sulphamethoxypyridazine and trimethoprim. <i>Analytica Chimica Acta</i> , 1997, 349, 303-311.	5.4	24
24	Direct and fast capillary zone electrophoretic method for the determination of Gleevec and its main metabolite in human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 794, 381-388.	2.3	24
25	Voltammetric determination of Imatinib (Gleevec) and its main metabolite using square-wave and adsorptive stripping square-wave techniques in urine samples. <i>Talanta</i> , 2005, 66, 202-209.	5.5	24
26	Screening of non-polar heterocyclic amines in urine by microextraction in packed sorbent-fluorimetric detection and confirmation by capillary liquid chromatography. <i>Talanta</i> , 2011, 83, 1562-1567.	5.5	24
27	Improving green enrichment of virgin olive oil by oregano. Effects on antioxidants. <i>Food Chemistry</i> , 2016, 197, 509-515.	8.2	24
28	Micellar electrokinetic capillary chromatography as an alternative method for the determination of ethinylestradiol and levo-norgestrel. <i>Talanta</i> , 1999, 50, 261-268.	5.5	23
29	Achiral liquid chromatography with circular dichroism detection for the determination of carnitine enantiomers in dietary supplements and pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 478-483.	2.8	21
30	Voltammetric Behavior of Fluvoxamine Using Square-Wave and Adsorptive Stripping Square-Wave Techniques. Determination in Pharmaceutical Products. <i>Electroanalysis</i> , 2000, 12, 1059-1063.	2.9	20
31	Simultaneous determination of sulfaquinoxaline, sulfamethazine and pyrimethamine by liquid chromatography. <i>Journal of Chromatography A</i> , 2000, 870, 169-177.	3.7	20
32	Development and validation of a capillary zone electrophoresis method for the determination of propranolol and N-desisopropylpropranolol in human urine. <i>Analytica Chimica Acta</i> , 2006, 559, 9-14.	5.4	20
33	Determination of ethinylestradiol and gestodene in oral contraceptives by micellar electrokinetic chromatography. <i>Chromatographia</i> , 1999, 49, 65-70.	1.3	19
34	Very fast and direct capillary zone electrophoresis method for the determination of creatinine and creatine in human urine. <i>Analytica Chimica Acta</i> , 2004, 521, 53-59.	5.4	19
35	Simultaneous determination of omeprazole and their main metabolites in human urine samples by capillary electrophoresis using electrospray ionization-mass spectrometry detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 92, 211-219.	2.8	19
36	Analytical approaches to expanding the use of capillary electrophoresis in routine food analysis. <i>Journal of Separation Science</i> , 2005, 28, 915-924.	2.5	18

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37	Micellar electrokinetic capillary chromatography for the determination of Viagra and its metabolite (UK-103,320) in human serum. <i>Electrophoresis</i> , 2001, 22, 2004-2009.	2.4	17
38	Rapid determination of letrozole, citalopram and their metabolites by high performance liquid chromatography-fluorescence detection in urine: Method validation and application to real samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 913-914, 12-18.	2.3	17
39	Direct determination of pregabalin in human urine by nonaqueous <sc>CE</sc>â€<sc>TOF</sc>â€<sc>MS</sc>. <i>Electrophoresis</i> , 2013, 34, 1429-1436.	2.4	17
40	Determination of lormetazepam and its main metabolite in serum using micellar electrokinetic capillary chromatography with direct injection and ultraviolet absorbance detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 773, 151-158.	2.3	16
41	Optimisation and validation of a new CE method for the determination of lansoprazole enantiomers in pharmaceuticals. <i>Electrophoresis</i> , 2009, 30, 2940-2946.	2.4	16
42	MICELLAR ELECTROKINETIC CAPILLARY CHROMATOGRAPHY AS AN ALTERNATIVE METHOD FOR THE DETERMINATION OF SULFONAMIDES AND THEIR ASSOCIATED COMPOUNDS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1999, 22, 1975-1986.	1.0	15
43	Supercritical fluid extractionâ€”Achiral liquid chromatography with circular dichroism detection for the determination of menthone enantiomers in natural peppermint oil samples. <i>Talanta</i> , 2009, 79, 284-288.	5.5	15
44	Simultaneous determination of six nonâ€”polar heterocyclic amines in meat samples by supercritical fluid extractionâ€”capillary electrophoresis under fluorimetric detection. <i>Electrophoresis</i> , 2010, 31, 2165-2173.	2.4	14
45	Advantages of using a modified orthogonal sampling configuration originally designed for LCâ€”ESI-MS to couple CE and MS for the determination of antioxidant phenolic compounds found in virgin olive oil. <i>Talanta</i> , 2010, 82, 548-554.	5.5	14
46	Determination of Clobazam, Clorazepate, Flurazepam and Flunitrazepam in pharmaceutical preparations. <i>Talanta</i> , 2002, 57, 333-341.	5.5	13
47	Determination of heterocyclic amines in urine samples by capillary liquid chromatography with evaporated light-scattering detection. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 223-231.	3.7	13
48	Development and validation of a non-aqueous capillary electrophoresis method for the determination of imatinib, codeine and morphine in human urine. <i>Analytical Methods</i> , 2014, 6, 3842.	2.7	13
49	Sublethal effects induced by captopril on <i>Cyprinus carpio</i> as determined by oxidative stress biomarkers. <i>Science of the Total Environment</i> , 2017, 605-606, 811-823.	8.0	13
50	Micellar electrokinetic chromatography method for the determination of sulfamethoxazole, trimethoprim and their main metabolites in human serum. <i>Journal of Separation Science</i> , 2005, 28, 543-548.	2.5	12
51	Comparative validations of non-aqueous capillary electrophoresis and high-performance liquid chromatography methods for the simultaneous determination of histamine H2 receptor antagonists in human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 921-922, 56-63.	2.3	12
52	Micellar Electrokinetic Capillary Chromatography as an Alternative Method for the Determination of Estrogens. <i>Analytical Letters</i> , 1999, 32, 2453-2469.	1.8	11
53	Simultaneous determination of erlotinib and metabolites in human urine using capillary electrophoresis. <i>Electrophoresis</i> , 2014, 35, 1489-1495.	2.4	11
54	Rapid characterization of fatty alcohol ethoxylates by nonâ€”aqueous capillary electrophoresis. <i>Electrophoresis</i> , 2008, 29, 3060-3068.	2.4	10

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55	Determination of morphine, codeine, and paclitaxel in human serum and plasma by micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2012, 35, 2297-2306.	2.5	10
56	Quantitation of sunitinib, an oral multitarget tyrosine kinase inhibitor, and its metabolite in urine samples by nonaqueous capillary electrophoresis time of flight mass spectrometry. <i>Electrophoresis</i> , 2015, 36, 1580-1587.	2.4	10
57	Adsorptive stripping voltammetric behaviour of sulphaquinoxaline using differential-pulse and square-wave techniques. <i>Analytica Chimica Acta</i> , 1993, 273, 369-375.	5.4	8
58	Voltammetric Behavior of Gestodene Using Square-Wave Technique. Determination in Oral Contraceptives. <i>Electroanalysis</i> , 1999, 11, 268-273.	2.9	8
59	Determination of ibuprofen and tetrazepam in human urine by micellar electrokinetic capillary chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 208-214.	3.7	8
60	Development of Microwave-Assisted Reactions for PAMAM Dendrimer Synthesis. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2331-2337.	2.4	8
61	Simultaneous Determination of Erlotinib and its Metabolites in Human Urine and Serum Samples by High-Performance Liquid Chromatography. <i>Chromatographia</i> , 2017, 80, 409-415.	1.3	8
62	Homoleptic ruthenium complexes with N-heterocyclic carbene ligands as photosensitizers in the photocatalytic generation of H <sub>2</sub> from water. <i>Journal of Organometallic Chemistry</i> , 2019, 898, 120880.	1.8	7
63	Determination of histamine H <sub>2</sub> receptor antagonists in pharmaceutical formulations by CE-MS. <i>Analytical Methods</i> , 2014, 6, 1714-1719.	2.7	6
64	Voltammetric behavior of sulfadimetoxol using square-wave and adsorptive stripping square-wave techniques. <i>Electroanalysis</i> , 1997, 9, 474-477.	2.9	5
65	Determination of Diazepam and associated compounds in pharmaceutical preparations. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 364, 570-575.	1.5	5
66	Voltammetric Behavior of Mifepristone (RU-486) Using Square-Wave and Adsorptive Stripping-Wave Techniques. Determination in Urine Samples. <i>Electroanalysis</i> , 2004, 16, 661-666.	2.9	5
67	Study of controlled degradation processes and electrophoretic behaviour of omeprazole and its main degradation products using diode-array and ESI-IT-MS detection. <i>Analytical Methods</i> , 2013, 5, 3299.	2.7	5
68	Micellar electrokinetic capillary chromatographic method for simultaneous determination of drugs used to treat advanced breast cancer. <i>Chromatographia</i> , 2002, 56, 283-288.	1.3	4
69	Micellar electrokinetic chromatographic method for the dabrafenib determination in biological samples. <i>Electrophoresis</i> , 2016, 37, 1296-1302.	2.4	4
70	Gold nanoparticles as analytical tools for the quantification of small quantities of triazine derivatives anchored on graphene in water dispersions. <i>RSC Advances</i> , 2017, 7, 21982-21987.	3.6	2
71	A Rapid, Direct and Validated HPLC- Fluorescence Method for the Quantification of Abiraterone and Abiraterone Acetate in Urine and Serum Samples from Patients with Castration- Resistant Prostate Cancer. <i>Current Pharmaceutical Analysis</i> , 2018, 14, 233-238.	0.6	2
72	Voltammetric behavior of pyrimethamine in veterinary formulations using square-wave and adsorptive square-wave techniques. <i>Electroanalysis</i> , 1995, 7, 1156-1160.	2.9	1