

# LUIS CUADROS RODRÍGUEZ

Grupo de Investigación: **ANÁLISIS EN ALIMENTACION Y MEDIOAMBIENTE** (Cod.: FQM232)

Departamento: Universidad de Granada. Química Analítica

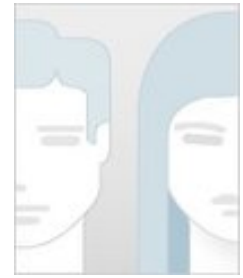
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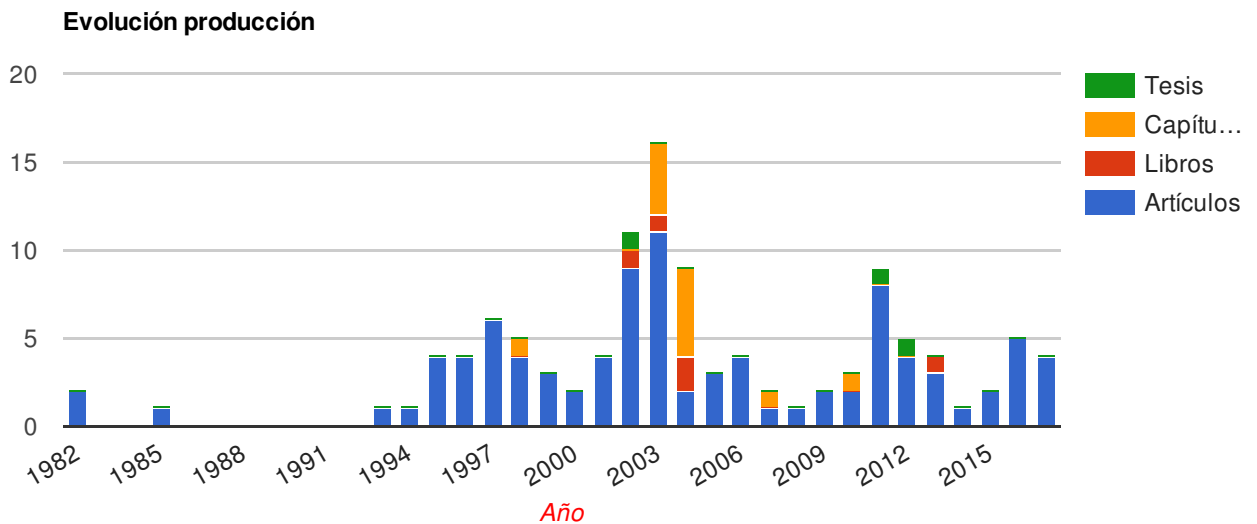
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Ficha del Directorio

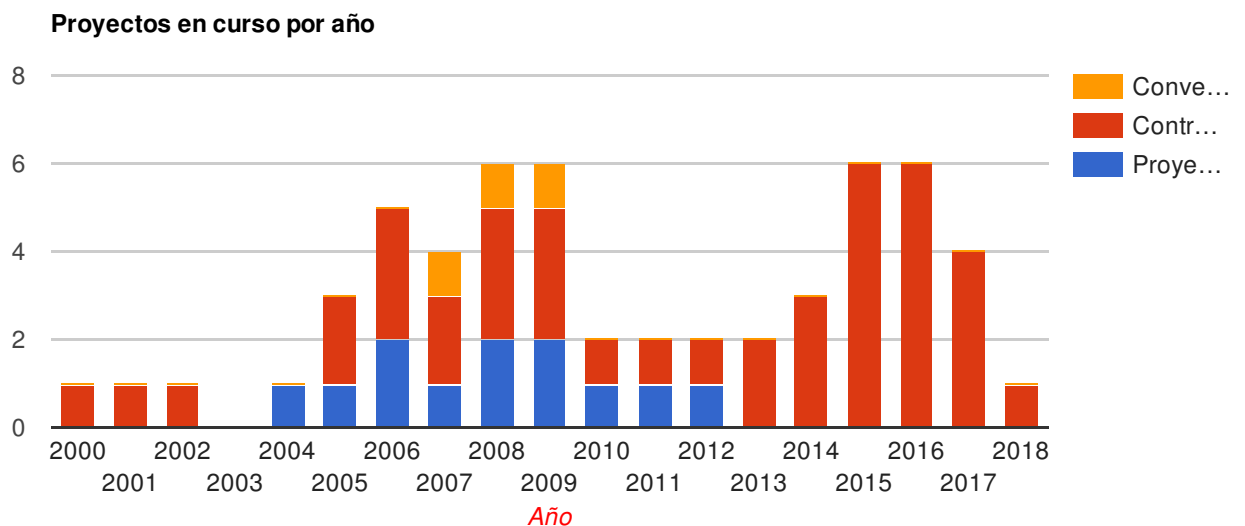
## Producción 114

Artículos (94) Libros (5) Capítulos de Libros (12) Tesis dirigidas (3)



## Proyectos dirigidos 19

Proyectos (3) Contratos (15) Convenios (1)



## Actividades 2

Titulo publicación	Fuente	Tipo	Fecha
A new method for quantification of olive and palm oil in blends with other vegetable edible oils based on the chromatographic fingerprints from the methyl-transesterified fraction	Talanta	Articulo	2017
Fast-hplc fingerprinting to discriminate olive oil from other edible vegetable oils by multivariate classification methods	Journal of aoac international	Articulo	2017
Hplc-uv and hplc-cad chromatographic data fusion for the authentication of the geographical origin of palm oil	Talanta	Articulo	2017
One-input and two-input class classifications for differentiating olive oil from other edible vegetable oils by use of the normal-phase liquid chromatography fingerprint of the methyl-transesterified fraction	Food chemistry	Articulo	2017
Authentication of canned fish packing oils by means of fourier transform infrared spectroscopy	Food chemistry	Articulo	2016
Chromatographic fingerprinting: an innovative approach for food identification; and food authentication ¿ a tutorial	Analytica chimica acta	Articulo	2016
Combined untargeted and targeted fingerprinting with comprehensive two-dimensional chromatography for volatiles and ripening indicators in olive oil	Analytica chimica acta	Articulo	2016
Quality performance metrics in multivariate classification methods	Trac: trends in analytical chemistry	Articulo	2016
Study and ich validation of a reverse-phase liquid chromatographic method for the quantification of the intact monoclonal antibody cetuximab	Journal of pharmaceutical analysis	Articulo	2016
Comparison of different analytical classification scenarios: application for the geographical origin of edible palm oil by sterolic (np) hplc fingerprinting	Analytical methods	Articulo	2015
Triacylglycerols determination by high-temperature gas chromatography in the analysis of vegetable oils and foods - a review of the past 10 years	Critical reviews in food science and nutrition	Articulo	2015
Application of data mining methods for classification and prediction of olive oil blends with other vegetable oils	Analytical and bioanalytical chemistry	Articulo	2014
Authentication of geographical origin of palm oil by chromatography fingerprinting of triacylglycerols and partial least square-discriminant analysis	Talanta	Articulo	2013
Glosario de terminos analiticos / glossary of analytical terms	Graseqa (grupo regional andaluz ¿ sociendad española de química analítica)	Libros	2013
Merging a sensitive capillary electrophoresis-ultraviolet detection method with chemometric exploratory data analysis for the determination of phenolic acids and subsequent characterization of avocado fruit.	Food chemistry	Articulo	2013
Quantification of an intact monoclonal antibody, rituximab, by (rp)hplc/dad in compliance with ich guidelines	Analytical and bioanalytical chemistry	Articulo	2013
A straightforward quantification of triacylglycerols and fatty acids profiles in monovarietal extra virgin olive oils by high temperature gc	Analytical methods	Articulo	2012
Autenticación de aceites vegetales mediante el empleo de cromatografía de gases y/o espectrometría de masas. cuantificación de aceite de oliva	Faculta de ciencias	Tesis doctoral	2012
Olive oil assessment in edible oil blends by means of atr-ftir and chemometrics	Food control	Articulo	2012
Proton transfer reaction-mass spectrometry volatile organic			

compound fingerprinting for monovarietal extra virgin olive oil identification	Food chemistry	Articulo	2012
Quantification of blending of olive oils and edible vegetable oils by triacylglycerols fingerprint gas chromatographic and chemometrics tools	Journal of chromatography. b, biomedical sciences and applications	Articulo	2012
An iupac-based approach to estimate the detection limit in co-extraction based optical analytical sensors for anions with sigmoidal response calibration curves	Analytical and bioanalytical chemistry	Articulo	2011
Aplicabilidad de la cromatografía líquida y la espectrometría vibracional para desarrollar modelos multivariantes para la detección y cuantificación de aceite de oliva en alimentos	Universidad de granada. química analítica	Tesis doctoral	2011
Discriminating olive and non-olive oils using hplc-cad and chemometrics	Analytical and bioanalytical chemistry	Articulo	2011
Discriminating olive and non-olive oils using hplc-cad and chemometrics	Analytical and bioanalytical chemistry	Articulo	2011
Mass spectrometry in analytical lipidomics	Current trends in mass spectrometry	Articulo	2011
Multivariate analysis of ht/gc (it)ms chromatographic profiles of triacylglycerol for classification of olive oil varieties	Analytical and bioanalytical chemistry	Articulo	2011
Olive oil quantification of edible vegetable oil blends using triacylglycerols chromatographic fingerprints and chemometric tools	Talanta	Articulo	2011
Quantification of triacylglycerols in olive oil using hplc-cad	Food analytical methods	Articulo	2011
Stability for olive oil control materials	Food chemistry	Articulo	2011
Application of selected ion monitoring to the analysis of triacylglycerols in olive oil by high temperature gas chromatography / mass spectrometry	Talanta	Articulo	2010
Phytosterols in olive oils	Olive oil and health	Capítulo de libro	2010
Pressurized liquid extraction and quantification of total fat-oil content in bread and derivative products	Talanta	Articulo	2010
From lipid analysis towards lipidomics, a new challenge for the analytical chemistry of the 21st century. part i: modern lipid analysis	Trac: trends in analytical chemistry	Articulo	2009
From lipids analysis towards lipidomics, a new challenge for the analytical chemistry of the 21st century. part ii: analytical lipidomics	Trac: trends in analytical chemistry	Articulo	2009
Elaboration of four olive oil certified reference materials: interoleo-crm 2006 certification study	Food analytical methods	Articulo	2008
Fundamentos de la calibración y cuantificación en química analítica separativa	Homenaje al profesor don fermín capitán : investigación actual en la escuela analítica de granada	Capítulo de libro	2007
Principles of analytical calibration/quantification for the separation sciences	Journal of chromatography a	Articulo	2007
Characterization of recovery profiles using gas chromatography-triple quadrupole mass spectrometry for the determination of pesticide residues in meat samples	Journal of chromatography a	Articulo	2006
Establishment of signal-recovery functions for calculation of recovery factor. application to monitoring of contaminant residues in vegetables by chemiluminescence detection	Analytical and bioanalytical chemistry	Articulo	2006
Establishment of wide-range linear response curves in bulk optode sensors for cations based on ion exchange	Sensors and actuators b: chemical	Articulo	2006
Loit linearization of analytical response curves in optical			2006

disposable sensors based on coextraction for monovalent anions	Analytica chimica acta	Articulo	2006
A new strategy for the chemiluminescent screening analysis of total n-methylcarbamate content in water	Analytica chimica acta	Articulo	2005
Semiquantitative method for detection of pesticide residues over established limits in vegetables by use of gc-mu ecd and gc-(ei)ms	Chromatographia	Articulo	2005
Setting up of recovery profiles: a tool to perform the compliance with recovery requirements for residue analysis	Talanta	Articulo	2005
Calibración para análisis químico (i): aspectos metrologicos	Requerimientos de calidad para la acreditación de laboratorios de análisis químico	Capítulo de libro	2004
Calibración para análisis químico (ii): aspectos metodologicos	Requerimientos de calidad para la acreditación de laboratorios de análisis químico	Capítulo de libro	2004
Calibración para análisis químico (iii): aspectos estadísticos	Requerimientos de calidad para la acreditación de laboratorios de análisis químico	Capítulo de libro	2004
Determination of a n-methylcarbamate pesticide in environmental samples based on the application of photodecomposition and peroxyoxalate chemiluminescent detection	Analytica chimica acta	Articulo	2004
Estimation of the main sources of uncertainty in chromatographic analysis: determination of biogenic amines	Lc-gc north america	Articulo	2004
Fundamentos de estadística pra laboratorios: iv. análisis de la varianza y v. regresión lineal	Requerimientos de calidad para la acreditación de laboratorios de análisis químico	Capítulo de libro	2004
Introduccion al equilibrio quimico	Grupo anaya	Libros	2004
Requerimientos de calidad para la acreditación de laboratorios de análisis químico	Universidad internacional de andalucía-la rábida	Libros	2004
Supuestos prácticos de estimación de la incertidumbre	Requerimientos de calidad para la acreditación de laboratorios de análisis químico	Capítulo de libro	2004
A comparative study of the correction of systematic errors in the quantitation of pyrethroids in vegetables using calibration curves prepared using standards in pure solvent	Analytical and bioanalytical chemistry	Articulo	2003
A new approach to qualitative analysis of organophosphorus pesticide residues in cucumber using a double gas chromatographic system: gc-pulsed-flame photometry and retention time locking gc-maá spectrometry	Talanta	Articulo	2003
Análisis químico : métodos y técnicas instrumentales modernas	Mc graw-hill	Libros	2003
Applying non-parametric statistical methods to the classical measurements of inclusion complex binding constants	Analytical and bioanalytical chemistry	Articulo	2003
Assessment of matrix effects in gas chromatography electron capture pesticide-residue analysis	Chromatographia	Articulo	2003
Correction function on biased results due to matrix effects: application to the routine analysis of pesticide residues.	Analytica chimica acta	Articulo	2003
Correction of the matrix effect in the determination of benzoylphenylurea insecticides in vegetables	Journal of liquid chromatography and related technologies	Articulo	2003
Data analysis in the determination of stoichiometries and stability	Analytical sciences	Articulo	2003

constants of complexes	Analytical sciences	Artículo	2003
Determination of albumin in biological fluids by flow injection analysis using the peroxyoxalate chemiluminescent system in micellar medium	Analytical and bioanalytical chemistry	Artículo	2003
Determination of organochlorine pesticides by gc-ecd and gc-ms-ms techniques including an evaluation of the uncertainty associated with the results	Chromatographia	Artículo	2003
Estimacion de la incertidumbre: ejemplos practicos	Acreditación de laboratorios: une-en iso/iec 17025 : criterios generales y supuestos prácticos	Capítulo de libro	2003
Estimación de la incertidumbre: ejemplos prácticos	Acreditación de laboratorios: une-en iso/iec 17025 : criterios generales y supuestos prácticos	Capítulo de libro	2003
Incertidumbre en analisis quimico	Acreditación de laboratorios: une-en iso/iec 17025 : criterios generales y supuestos prácticos	Capítulo de libro	2003
Simultaneous quantification of chlorophenoxyacid herbicides based on time-resolved photochemical derivatization to induce fluorescence in micellar medium	Talanta	Artículo	2003
Sistema de gestion de calidad para laboratorios de analisis: principios basicos, terminologia y elementos. estandares de calidad. marco legal	Acreditación de laboratorios: une-en iso/iec 17025 : criterios generales y supuestos prácticos	Capítulo de libro	2003
Use of highly efficient draper-lin small composite designs in the formal optimisation of both operational and chemical crucial variables affecting a fia-chemiluminescence detection system	Talanta	Artículo	2003
A geometric approach to robustness testing in analytical hplc	Lc-gc north america	Artículo	2002
Assessment of uncertainty in pesticide multiresidue analytical methods: main sources and estimation	Analytica chimica acta	Artículo	2002
Estimation and correction of matrix effects in gas chromatographic pesticide multiresidue analytical methods with a nitrogen-phosphorus detector	The analyst	Artículo	2002
Evaluating the significance threshold in robustness testing. a critical discussion on the influence of time in molecular fluorescence spectrometry	Talanta	Artículo	2002
Fundamentals and some applications of a new approach for quantification purposes in luminescence analysis: method of the slope ratio (mosr).	Luminescence	Artículo	2002
Matrix-effects of vegetable commodities in electron-capture detection applied to pesticide multiresidue analysis	Journal of chromatography a	Artículo	2002
Optimisation of the chemiluminescent determination of protein in micellar medium by flow injection analysis using experimental design	Luminescence	Artículo	2002
Potential of chemiluminescence and bioluminescence in organic analysis	Current organic chemistry	Artículo	2002
Química analítica moderna	Mc graw-hill	Libros	2002
Técnicas cualimétricas avanzadas para el establecimiento de la fiabilidad y comparabilidad de resultados en química analítica	Universidad de granada. química analítica	Tesis doctoral	2002
Use of partial least square method for the sensitive resolution of mixtures of chlorophenoxyacetic herbicides by micellar enhanced photochemically induced fluorescence	Luminescence	Artículo	2002

Calibration in chemical measurement processes. ii. a methodological approach	Trac: trends in analytical chemistry	Articulo	2001
Calibration in chemical measurement processes: i. a metrological approach	Trac: trends in analytical chemistry	Articulo	2001
Optimizing analytical methods using sequential response surface methodology. application to the pararosanine determination of formaldehyde	Fresenius&#039; journal of analytical chemistry (print)	Articulo	2001
Robustness study for the determination of biogenic amines by hplc	Chromatographia	Articulo	2001
A framework for in-house accuracy validation of analytical procedures	Clinical science	Articulo	2000
A selective method for trace-level determination of zirconium by spectrofluorimetry in presence of hexadecyltrimethylammonium bromide micelles	Luminescence	Articulo	2000
Decision protocol for checking robustness with previous outlier detection in the validation of analytical methods	Fresenius&#039; journal of analytical chemistry (print)	Articulo	1999
Screening and removing systematic errors in luminescence-based analysis of complex matrices	Clinical science	Articulo	1999
The solvent influence on the fluorescence behaviour of the lithium-tetracycline system	Spectroscopy letters: an international journal for rapid communication	Articulo	1999
A comparative study of different calibration data subsets to minimize experimental work	Lcgc europe	Articulo	1998
A first and straightforward approach to detection limits for narrow-bore hplc and ce.	Clinical science	Articulo	1998
A new approach to a complete robustness test of experimental nominal conditions of chemical testing procedures for internal analytical quality assessment	Chemometrics and intelligent laboratory systems	Articulo	1998
Ensuring both normality and homocedasticity of chromatographic data-ratios for internal-standard least-squares calibration	Chromatographia	Articulo	1998
Validation of analytical procedures using added samples as reference materials	Recent research developments in pure and applied analytical chemistry	Capítulo de libro	1998
Alamin: a chemometric program for the estimation of the performance characteristics of an analytical method and its validation by standard addition methodology	Trac: trends in analytical chemistry	Articulo	1997
Chemometric protocol to validate an analytical method in the presence of corrigible constant and proportional systematic errors	Journal of aoac international	Articulo	1997
On the estimate of capillary electrophoresis blanks: application to detection limits evaluation as recommended by iupac	Journal of capillary electrophoresis	Articulo	1997
Sequential response surface methodology for multioptimization in analytical chemistry with three-variable doehlert designs	Analytica chimica acta	Articulo	1997
Solvent donicity influence in the fluorescence emission of the lithium/1,4-dihydroxyanthraquinone system. improvement in the quantification of lithium.	Analytical letters	Articulo	1997
Spectrophotometric determination of lithium with quinizarin in drugs and serum	Talanta	Articulo	1997
Estimate of gas chromatographic blanks - application to detection limits evaluation as recommended by iupac	Journal of chromatography a	Articulo	1996
Selective spectrofluorometric determination of lithium(i) with quinizarin by extraction into tributyl phosphate	Fresenius&#039; journal of analytical chemistry (print)	Articulo	1996
Statistical estimation of linear calibration range	Analytical letters	Articulo	1996
Statistical estimation of linear calibration range	Analytical letters	Articulo	1996

Estimation of the tolerance level of interfering substances in instrumental analytical methods	Analytical letters	Articulo	1995
Optimization of analytical methods by using doehlert's designs	Analytical communications	Articulo	1995
The application of doehlert designs in the optimization of experimental-variables in solid-phase spectrophotometry	Analytica chimica acta	Articulo	1995
Validation of an analytical instrumental method by standard addition methodology	Journal of aoac international	Articulo	1995
Specific fluorescence detection of lithium ion using quinizarin and extraction in tbp	Analytical letters	Articulo	1994
Estimation of performance-characteristics of an analytical method using the data set of the calibration experiment	Analytical letters	Articulo	1993
Microdetermination of vanadium by ion-exchanger colorimetry	Microchemical journal	Articulo	1985
Complexes de cu(ii), co(ii), ni(ii) et uo <sub>2</sub> (ii) avec les bases de schiff n-(4-méthyl-2-pyridyl)-salicylaldimine et n-(6-méthyl-2-pyridyl)salicylaldimine	Canadian journal of chemistry	Articulo	1982
Étude des bases de schiff dérivées de la salicylaldehyde et de la 2-aminopyridine. propriétés et capacité de complexation	Canadian journal of chemistry	Articulo	1982

	<b>Título proyecto</b>	<b>Tipo</b>	<b>Inicio</b>	<b>Fin</b>
1	Estudio, diseño y desarrollo de acondicionamiento primario para el desarrollo de productos con nueva tecnología de liberación	Contrato	11/25/15	11/24/18
2	Escalado en la obtención de una heparina de bajo peso molecular. estudios de caracterización necesarios para la presentación de la variación del dossier	Contrato	4/15/15	12/31/17
3	Estudio de las diferentes tecnologías analíticas actuales aptas para complementar o constituir una alternativa futura al método comunitario de análisis sensorial denominado «panel test» de los aceites de oliva vírgenes (proyecto instrumensorial)	Contrato	1/10/14	5/31/17
4	Certificación y distribución de cinco materiales de referencia certificados (mrc) para análisis físico-químicos de aceite de oliva (interoleo-mrc 2016)	Contrato	9/7/16	1/22/17
5	Desarrollo de aplicaciones analíticas de la plataforma uhplc-(orbitrap)ms en los ámbitos de la metabolómica y los biofármacos	Contrato	10/21/14	12/31/16
6	Certificación y distribución de nueve materiales de referencia certificados (mrc) para análisis organoléptico de aceite de oliva (sensoleo-mrc 2015)	Contrato	9/2/15	1/17/16
7	Análisis de los datos experimentales recopilados durante el desarrollo del proyecto: «estudio de la evolución de los esteres alquílicos en el aceite de oliva virgen extra»;	Contrato	2/1/15	4/30/15
8	Elaboración, certificación y distribución de doce materiales de referencia certificados (mrc) para análisis organoléptico de aceite de oliva	Contrato	7/19/13	2/18/14
9	Elaboración, certificación y distribución de cuatro materiales de referencia de aceite de oliva (interoleo-mrc 2013)	Contrato	12/17/12	5/16/13
10	Cuantificación y control analítico de aceite de oliva en alimentos (quoleo)	Proyecto	2/1/08	1/31/12
11	Asesoramiento técnico y tratamiento de datos en el ámbito del análisis químico	Contrato	10/1/05	12/31/11
12	Asesoría e investigación conjunta para el control de calidad analítico (físico-químico y sensorial) de frutos subtropicales	Contrato	11/1/07	12/31/09
13	Cuantificación de aceite de oliva en alimentos	Proyecto	10/1/06	9/30/09
14	Estudio de viabilidad de metodologías analíticas para la cuantificación de aceite de oliva en alimentos que contengan materias grasas	Convenio	3/1/07	2/28/09
15	Estudio de certificación de 12 materiales de referencia para análisis sensorial de aceite de oliva (sensoleo-mrc 2008)	Contrato	9/24/08	1/24/09
16	Implantación de nuevas tecnologías analíticas, bajo criterios de calidad, para la determinación de residuos de fármacos y presencia de organismos modificados genéticamente (ogms) en leche, derivados lácteos y otros alimentos	Proyecto	1/1/04	12/31/06
17	Estudios dirigidos a la fabricación de un producto para su uso como blanco-matriz en la calibración y control de calidad de métodos de análisis de residuos de pesticidas	Contrato	10/1/05	10/19/06
18	Campaña de certificación de cuatro materiales de referencia de aceite de oliva (interoleo-mrc 2006)	Contrato	4/7/06	4/30/06
19	Implantación de un sistema de gestión de la calidad en el laboratorio de control analítico	Contrato	11/15/00	9/30/02

## Actividades 2

<b>Título actividad</b>	<b>Fuente</b>	<b>Tipo</b>	<b>Fecha</b>
Grupo andaluz de la sociedad española de química analítica (graseqa)	Sociedad española de química analítica (seqa)	Comité científico en sociedad ci	Jun 9, 2006
Sociedad española de química analítica (seqa) ()		Comité científico en sociedad ci	Oct 1, 2008

## Colaboradores



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- LAURA GÁMIZ GRACIA (15)
- CRISTINA RUIZ SAMBLÁS (13)
- AIDEE PAULINA DE LA MATA ESPINOSA (8)
- ESTEFANÍA PÉREZ CASTAÑO (6)
- LUIS FERMÍN CAPITÁN VALLVEY (6)
- MARIA GRACIA BAGUR GONZÁLEZ (6)
- MERCEDES SÁNCHEZ VIÑAS (6)
- NATALIA NAVAS IGLESIAS (6)
- ALEGRIA CARRASCO PANCORBO (5)
- Ana María Jiménez Carvelo (5)
- FRANCISCO DE PAULA RODRIGUEZ GARCIA (5)
- DOMINGO GÁZQUEZ EVANGELISTA (4)
- JORGE JUAN SOTO CHINCHILLA (4)
- JOSE LUIS VÍLCHEZ QUERO (4)
- LUIS ENRIQUE GARCÍA AYUSO (3)
- Lucía Valverde Som (3)
- MARÍA DOLORES FERNÁNDEZ RAMOS (3)
- Antonio Martínez Ortega (2)
- Juan Agustín Herrera Rubia (2)
- MARIA CARMEN CRUCES BLANCO (2)
- MARÍA DEL ROSARIO BLANC GARCÍA (2)
- ALBERTO FERNANDEZ GUTIERREZ (1)
- ALEJANDRO LAPRESTA FERNANDEZ (1)
- David Alejandro Pelta Mochcovsky (1)
- ELENA HURTADO FERNÁNDEZ (1)
- FATIMA OLEA SERRANO (1)
- JOSE MIGUEL AVILA SANCHEZ-JOFRE (1)
- JOSÉ FERNANDO HUERTAS PÉREZ (1)
- MARIA DEL CARMEN VALENCIA MIRÓN (1)
- MIGUEL ORTEGA HUERTAS (1)
- NICOLAS OLEA SERRANO (1)
- SANTIAGO MEDINA RODRÍGUEZ (1)