

NATALIA NAVAS IGLESIAS

Grupo de Investigación: ESPECTROMETRÍA EN FÁSE SÓLIDA (Cod.: FQM118)

Departamento: Universidad de Granada. Química Analítica

RG: https://www.researchgate.net/profile/Natalia_Navas

Publons: <https://publons.com/author/1234636/natalia-navas#profile>

Correo electrónico: natalia@ugr.es

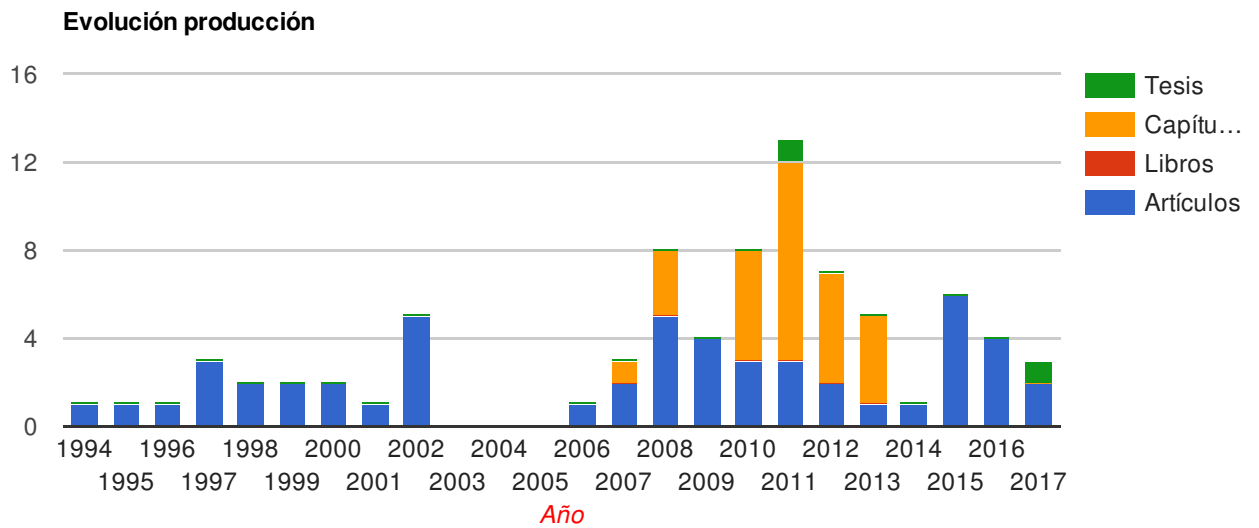
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Ficha del Directorio

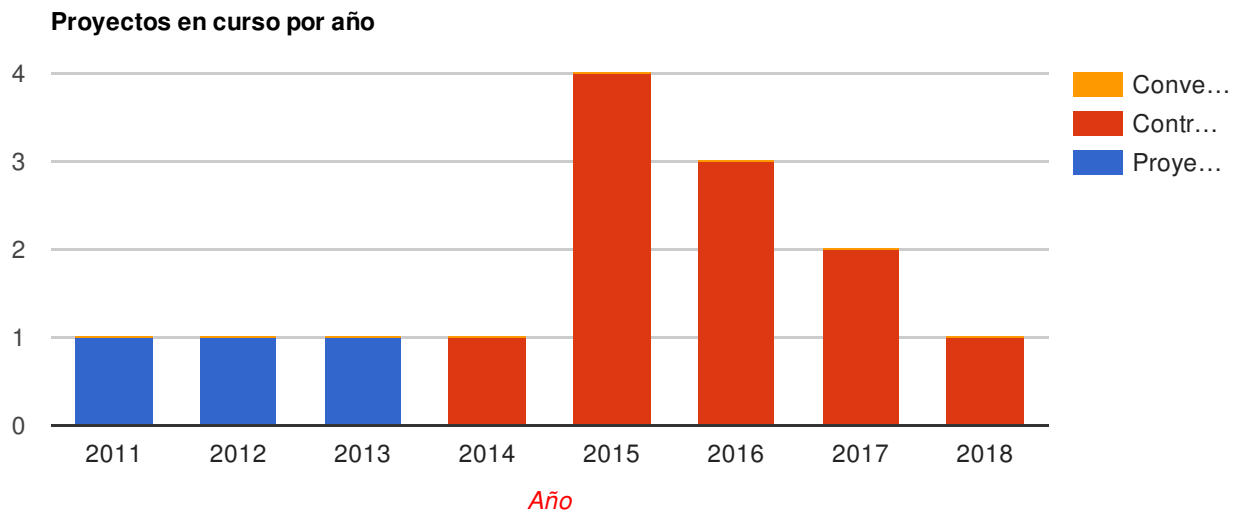
Producción 81

Artículos (52) Libros (0) Capítulos de Libros (27) Tesis dirigidas (2)



Proyectos dirigidos 5

Proyectos (1) Contratos (4) Convenios (0)



Actividades 8

Titulo publicación	Fuente	Tipo	Fecha
Metodología elisa para estudiar la estabilidad de medicamentos biotecnológicos	Universidad de granada. centro de instrumentación científica	Tesis doctoral	2017
Pigment-size effect on the physico-chemical behavior of azuritetempira dosimeters upon natural and accelerated photo aging	Dyes and pigments (print)	Articulo	2017
Principal component analysis to interpret changes in chromatic parameters on paint dosimeters exposed long-term to urban air	Chemometrics and intelligent laboratory systems	Articulo	2017
An evaluation of the impact of urban air pollution on paint dosimeters by tracking changes in the lipid maldi-tof mass spectra profile	Talanta	Articulo	2016
Development and use of specific elisa methods for quantifying the biological activity of bevacizumab, cetuximab and trastuzumab in stability studies	Journal of chromatography b	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
The effects of light accelerated degradation on the aggregation of marketed therapeutic monoclonal antibodies evaluated by size exclusion chromatography with diode array detection	Journal of pharmaceutical sciences	Articulo	2016
Application of matrix-assisted laser desorption and ionization time of flight mass spectrometry to the study of the proteinaceous binders in paint: blue paint composition in the series "the life of virgin" by alonso cano (17th century) as a	European journal of mass spectrometry	Articulo	2015
Cluster-based comparison of the peptide mass fingerprint obtained by maldi-tof mass spectrometry. a case study: long-term stability of rituximab	The analyst	Articulo	2015
Comparative analysis of monoclonal antibody n-glycosylation using stable isotope labelling and uplc-fluorescence-ms	The analyst	Articulo	2015
Quantitative host cell protein analysis using two dimensional data independent lc	Analytical chemistry	Articulo	2015
Seasonal occurrence and distribution of a group of ecs in the water resources of granada city metropolitan areas (se spain): pollution of raw drinking water	Journal of hydrology	Articulo	2015
Study of modern artistic materials using combined spectroscopic and chromatographic techniques. case study: painting with the signature "picasso"	Analytical methods	Articulo	2015
Stability of the admixture daptomycin 0.5 mg/ml and heparin 1 mg/ml in polypropylene syringes	American journal of health-system pharmacy	Articulo	2014
Advances in the study of black pigments via spectroscopic techniques in a painting by francisco de goya	Technart 2013- abstract book	Capítulo de libro	2013
Aplicación de nuevas tecnologías en la enseñanza y evaluación de la asignatura bases químicas de la biología (pid 10-187)	Innovación docente y buenas prácticas en la universidad de granada	Capítulo de libro	2013
Atr-ftir to study two paintings with the signature "picasso";	Technart 2013- abstract book	Capítulo de libro	2013
Benefits of applying spectrometric techniques and chemometric methods to identify interaction between historic painting materials	Science and technology for the conservation of cultural heritage	Capítulo de libro	2013
Quantification of an intact monoclonal antibody, rituximab, by (rp)hplc/dad in compliance with ich guidelines	Analytical and bioanalytical chemistry	Articulo	2013
Benefits of applying spectroscopic techniques and chemometric methods to identify interaction between historic painting materials	Research advances for the conservation of cultural	Capítulo de libro	2012

Methods to identify interaction between historic painting materials	heritage- abstract book	de libro	
Black pigments identification on alabaster painting "maja y celestina" by francisco de goya by in situ mrs and sem-edx analysis.	Irug 10- book of abstracts-10th biennial international conference of the infrared and raman users group	Capítulo de libro	2012
Collagen-based proteinaceous binder-pigment interaction study under uv ageing conditions by maldi-tof-ms and principal component analysis	Journal of mass spectrometry	Articulo	2012
Discrimination of aged mixtures of lipidic paint binders by raman spectroscopy and chemometrics	Journal of raman spectroscopy	Articulo	2012
Estudio multidisciplinar aplicado a las pinturas de alonso cano en la capilla mayor de la catedral de granada (españa)	El patrimonio cultural y natural como motor de desarrollo. investigación e innovación	Capítulo de libro	2012
Pigments study by non-destructive micro-raman spectroscopy on a new version of the madonna of foligno by rafael of urbino.	Irug 10- book of abstracts-10th biennial international conference of the infrared and raman users group	Capítulo de libro	2012
¿pigmentos anacrónicos?. la espectroscopía microraman como herramienta para la autenticación de pinturas artísticas	El patrimonio cultural y natural como motor de desarrollo. investigación e innovación	Capítulo de libro	2012
A new perspective of knowledge on the alonso cano painting (spanish golden age) by micro-analytical techniques	Proceedings book aipnd-art'11	Capítulo de libro	2011
Advances in the study of protein-based binder/pigment interactions in art painting by spectroscopy techniques and principal component analysis	Proceedings book-aipnd-art'11	Capítulo de libro	2011
Aplicación de imágenes generadas por ordenador para el estudio, difusión y conservación de las decoraciones polícromas de los hórreos asturianos.	Abstracts book from can to canvas	Capítulo de libro	2011
Application of non-destructive analytical techniques to reveal the creative process in a versión of raphael's original painting: "the madonna of foligno"	Heritage and desing of geometrical forms	Capítulo de libro	2011
Assessment of raman microscopy coupled with principal component analysis to examine egg yolk pigment interaction based on the protein c-h stretching region (3100 - 2800 cm-1)	Journal of raman spectroscopy	Articulo	2011
Caraterización de pigmentos y aglutinantes por microraman, sem-edx y cg-ms en dos pinturas sobre lienzo con la firma "picasso"	Actas xviii congreso internacional de conservación y restauración de bienes culturales	Capítulo de libro	2011
In situ raman analysis to pigments identification in canvas painting with the signature "picasso".	Heritage and design of geometrical forms	Capítulo de libro	2011
Interaction between historic painting materials. benefit of applying spectrometric techniques & principal component analysis	Universidad de granada. mineralogía y petrología	Tesis doctoral	2011
Mass spectrometry in analytical lipidomics	Current trends in mass spectrometry	Articulo	2011
Microraman pigments analysis of a painting with the signature "picasso"	Book of abstracts raa 2011	Capítulo de libro	2011
Microraman pigments analysis of a painting with the signature ¿picasso¿	Libro de actas: 6th international congress on the application of raman spectroscopy in art and archaeology	Capítulo de libro	2011
Proyecto de investigación interdisciplinar y experiencia de innovación docente para la cooperación entre química, arte y	Heritage and design of geometrical forms	Capítulo de libro	2011

patrimonio cultural	geometrical forms	de libro	
Study of the gc-ms determination of the palmitic-stearic acid ratio for the characterisation of drying oil in painting: la encarnación by alonso cano as case study	Talanta	Articulo	2011
A study of the interaction between rabbit glue binder and blue copper pigment under uv radiation: a spectroscopic and pca approach.	Vibrational spectroscopy	Articulo	2010
Análisis y conservación del patrimonio histórico-artístico	Libro de actas del congreso internacional de patrimonio y expresión gráfica	Capítulo de libro	2010
Chemistry in cultural heritage and cultural heritage in chemistry. research and education. painter and sculptor: alonso cano's projects.	Edulearn proceedings cd	Capítulo de libro	2010
Multivariate approach on raman spectroscopic data to investigate protein- pigment interaction in white tempera paintings	E-proceedings book. vii colloquium chemiometricum mediterraneum	Capítulo de libro	2010
Preliminary study of uv-accelerated ageing of proteinaceous binding media by maldi-tof-ms and chemiometry techniques	E-proceedings book. vii colloquium chemiometricum mediterraneum	Capítulo de libro	2010
Principal component analysis to study of historical painting model samples based on linseed oils	E-proceedings book. vii colloquium chemiometricum mediterraneum	Capítulo de libro	2010
Raman spectroscopic discrimination of pigments and tempera paintmodel samples by principal component analysis on first-derivative spectra	Journal of raman spectroscopy	Articulo	2010
Validated stability-indicating hplc method for paricalcitol in pharmaceutical dosage form according to the ich guidelines: application to stability studies	Journal of aoac international	Articulo	2010
Determination of tramadol, metamizole, ropivacaine, and bupivacaine in analgesic mixture samples by hplc with dad detection	Journal of chromatographic science	Articulo	2009
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
Preliminary study of uv ageing process of proteinaceous paint binder by ft-ir and principal component analysis	Talanta	Articulo	2009
A novel reliability-based approach to evaluate painting artworks combining drifts and pca. applications to blue pigments in glue tempera painting	Sociedad española de mineralogía,	Capítulo de libro	2008
Benefits of applying combined diffuse reflectance ftir spectroscopy and principal component analysis for the study of blue tempera historical painting	Analytica chimica acta	Articulo	2008
Determination of celecoxib, rofecoxib, sodium diclofenac and niflumic acid in human serum samples by hplc with dad detection	Chromatographia	Articulo	2008
Development of an lc-dad method for analysis of dexketoprofen, tramadol, and haloperidol. study of the stability of mixtures used for patient-controlled analgesia	Chromatographia	Articulo	2008
Estudio de compatibilidad y estabilidad físico-química de paricalcitol en jeringas precargadas y bolsas viaflo®.	Revista oficial de la sociedad andaluza de farmacéuticos de hospitales	Articulo	2008
Proceso de transesterificación previo al análisis cromatográfico del medio lipídico en la pintura de alonso cano (siglo xvii) & quetle	Preprints 17th international	Capítulo	

medio lípido en la pintura de alonso cano (siglo xvii) "la encarnación" ubicada en la capilla mayor de la catedral de granada (españa)	meeting on heritage conservation	Capítulo de libro	2008
Uv-accelerated ageing processes on azurite glue tempera paintings: monitoring by spectrophotometry, sem-edx, xrd, ftir and chemiometry techniques	Centro internacional de conservación del patrimonio (cicop).	Artículo	2008
Uv-accelerated ageing processes on azurite glue tempera paintings: monitoring by spectrocolourimetry, sem-edx, xrd, ftir and chemiometry techniques	Rehabilitación del patrimonio arquitectónico y edificación	Capítulo de libro	2008
Determinación de cinco nitroimidazoles en aguas mediante cromatografía líquida con detección de masas	Homenaje al profesor don fermín capitán : investigación actual en la escuela analítica de granada	Capítulo de libro	2007
Estabilidad y compatibilidad de mezclas de fármacos protocolizadas por la sociedad española del dolor	Revista oficial de la sociedad andaluza de farmacéuticos de hospitales	Artículo	2007
Liquid chromatography-mass spectrometry determination of six 5-nitroimidazoles in animal feedstuff	Chromatographia	Artículo	2007
Improvement in lc-ms calibration by addition of fragment signals	Talanta	Artículo	2006
A simple system to preconcentrate copper, cadmium and lead on diethylammonium-n,n-diethyldithiocarbamate retained on c-18 cartridge from environmental water samples	Química analítica	Artículo	2002
Determination of five nitroimidazoles in water by liquid chromatography-mass spectrometry	Journal of chromatography a	Artículo	2002
Determination of the antibacterial enrofloxacin by differential-pulse adsorptive stripping voltammetry	Analytica chimica acta	Artículo	2002
High performance liquid chromatography determination of zn-bacitracin in animal feed by post-column derivatization and fluorescence detection	Journal of chromatography a	Artículo	2002
High-performance liquid chromatography determination of zn-bacitracin in animal feed by post-column derivatization and fluorescence detection	Journal of chromatography a	Artículo	2002
Determination of the antibiotic zinc bacitracin in animal food by high-performance liquid chromatography with ultraviolet detection	Chromatographia	Artículo	2001
Rapid ultraviolet spectrophotometric and liquid chromatographic methods for the determination of natamycin in lactoserum matrix	Journal of aoac international	Artículo	2000
Resolution of mixtures of three nonsteroidal anti-inflammatory drugs by fluorescence using partial least squares multivariate calibration with previous wavelength selection by kohonen artificial neural networks	Talanta	Artículo	2000
Kohonen artificial neural networks as a tool for wavelength selection in multicomponent spectrofluorimetric pls modelling: application to phenol, o-cresol, m-cresol and p-cresol mixtures	Trac: trends in analytical chemistry	Artículo	1999
Trace determination of phenol, bisphenol a and bisphenol a diglycidyl ether in mixtures by excitation fluorescence following micro liquid-liquid extraction using partial least squares regression	The analyst	Artículo	1999
3d-modelling and prediction by whim descriptors. part 9. chromatographic relative retention time and physico-chemical properties of polychlorinated biphenyls (pcbs)	Chemometrics and intelligent laboratory systems	Artículo	1998
Determination of bisphenol a in water by micro liquid-liquid extraction followed by silylation and gas chromatography mass spectrometry analysis	Journal of chromatographic science	Artículo	1998
Determination of bisphenol a (bpa) in water by gas chromatography mass spectrometry	Analytica chimica acta	Artículo	1997
Simultaneous determination of colorant mixtures used in			

Simultaneous determination of colorant mixtures used in cosmetics by partial least-squares multivariate calibration spectrophotometry	Analytical sciences	Articulo	1997
Simultaneous determination of tartrazine and sunset yellow in cosmetic products by first-derivative spectrophotometry	Microchimica acta	Articulo	1997
Simultaneous determination of quinoline yellow and brilliant blue fcf in cosmetics by solid-phase spectrophotometry	Talanta	Articulo	1996
Simultaneous determination of tartrazine and brilliant blue in cosmetic products by first-derivative spectrophotometry	Analisis	Articulo	1995
Determination of the colouring matter quinoline yellow in diverse matrixes by solid phase spectrophotometry	Química analítica	Articulo	1994

	Título proyecto	Tipo	Inicio	Fin
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	Nuevo proveedor para 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	Análisis y determinaciones analíticas en medicamentos y productos sanitarios enviados por laboratorios rovi. s.a.	Contrato	4/1/15	3/31/16
4	Determinación de impurezas en formulación ism	Contrato	10/21/14	3/31/15
5	Estudio formal y propuesta de validación del perfil indicador de la estabilidad de medicamentos de naturaleza biotecnológica (y química) en condiciones normales de uso	Proyecto	1/1/11	12/31/13

Actividades 8

Título actividad	Fuente	Tipo	Fecha
How evaluate physical stability of anticancer drugs linked to the practical stability in hospitals with a special focus for proteins		Comité científico en sociedad ci	Oct 30, 2014
National institute for bioprocessing research & training (nibr)		Colaboración con centros i+d	Jun 7, 2013
Ponente de química		Experiencia en evaluación	Oct 1, 2015
Evaluador experto internacional de proyectos de investigación	National science center, poland	Experiencia en evaluación	Sep 8, 2014
National institute for bioprocessing research and training		Colaboración con centros i+d	Apr 1, 2013
Revisor externo como "experto internacional" del national science centre de polonia.		Experiencia en evaluación	Sep 8, 2014
Evaluador externo "experto internacional" para la swiss national science foundation (snsf) div. mathematics, physical and engineering sciences		Experiencia en evaluación	Oct 5, 2015
Participación en: sociedad española de proteómica ()		Comité científico en sociedad ci	Jan 30, 2006

Colaboradores

- **ELOISA MANZANO MORENO** (35)
- **LUIS FERMÍN CAPITÁN VALLVEY** (30)
- **LUIS RODRIGO RODRIGUEZ SIMON** (28)
- **CAROLINA CARDELL FERNANDEZ** (17)
- **LUIS CUADROS RODRÍGUEZ** (6)
- **IGNACIO DE ORBE PAYÁ** (5)
- **JOSE LUIS VÍLCHEZ QUERO** (5)
- **Juan Agustin Herrera Rubia** (5)
- **MARIA MONSALUD DEL OLMO IRUELA** (5)
- **ALEJANDRO RODRIGUEZ NAVARRO** (4)

- ALEGRIA CARRASCO PANCORBO (3)
- ANTONIO GONZALEZ CASADO (3)
- ALBERTO ZAFRA GÓMEZ (2)
- Antonio Martinez Ortega (2)
- MIGUEL ANGEL LEON COLOMA (2)
- ALBERTO NAVALÓN MONTÓN (1)
- ANDRES PARRA SANCHEZ (1)
- ANTONIO GARCÍA BELTRÁN (1)
- ANTONIO SAMUEL CANTARERO MALAGON (1)
- David Alejandro Pelta Mochcovsky (1)
- FRANCISCO DE ASIS RIVAS SANCHEZ (1)
- FRANCISCO GARCIA CALVO-FLORES (1)
- INMACULADA SUÁREZ GONZÁLEZ (1)
- ISABEL MARINA GUERRA TSCHUSCHKE (1)
- JUAN ANTONIO LUQUE ESPINAR (1)
- José Hernández Jiménez (1)
- KERSTIN ELERT (1)
- MARIO CHICA OLMO (1)
- MARÍA CELIA VÉLEZ FERNÁNDEZ (1)
- MARÍA DEL ROSARIO BLANC GARCÍA (1)
- MARÍA DOLORES FERNÁNDEZ RAMOS (1)
- OSCAR BALLESTEROS GARCÍA (1)
- PABLO VILLACORTA IGLESIAS (1)
- VICENTE MANUEL DEL SOL LOPEZ (1)