

# MIGUEL ANGEL CABRERIZO VÍLCHEZ

Grupo de Investigación: FÍSICA DE FLUIDOS Y BIOCOLOIDES (Cod.: FQM115)

Departamento: Universidad de Granada. Física Aplicada

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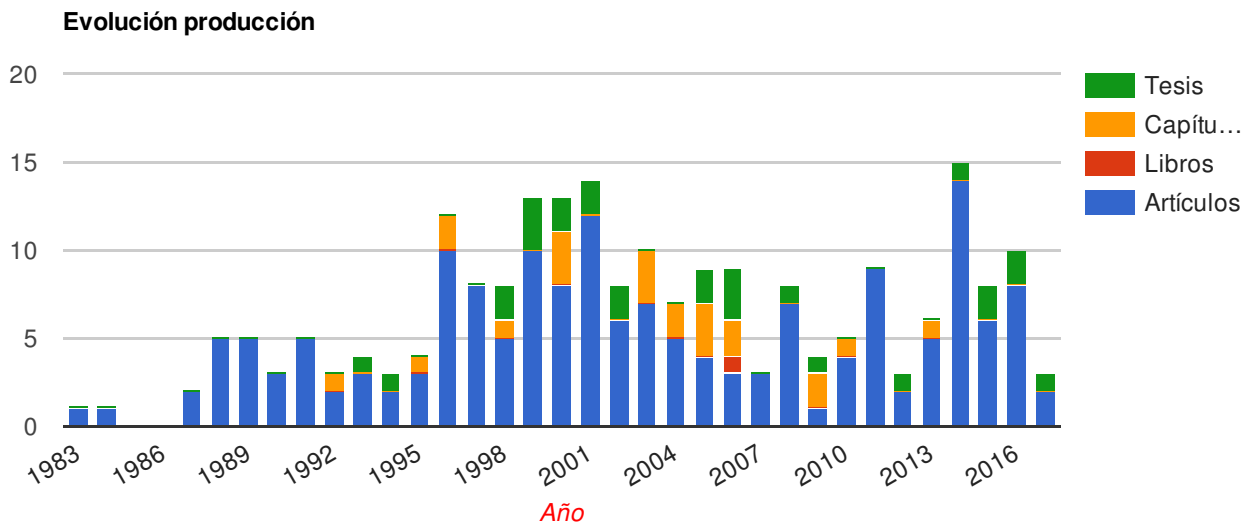
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Ficha del Directorio

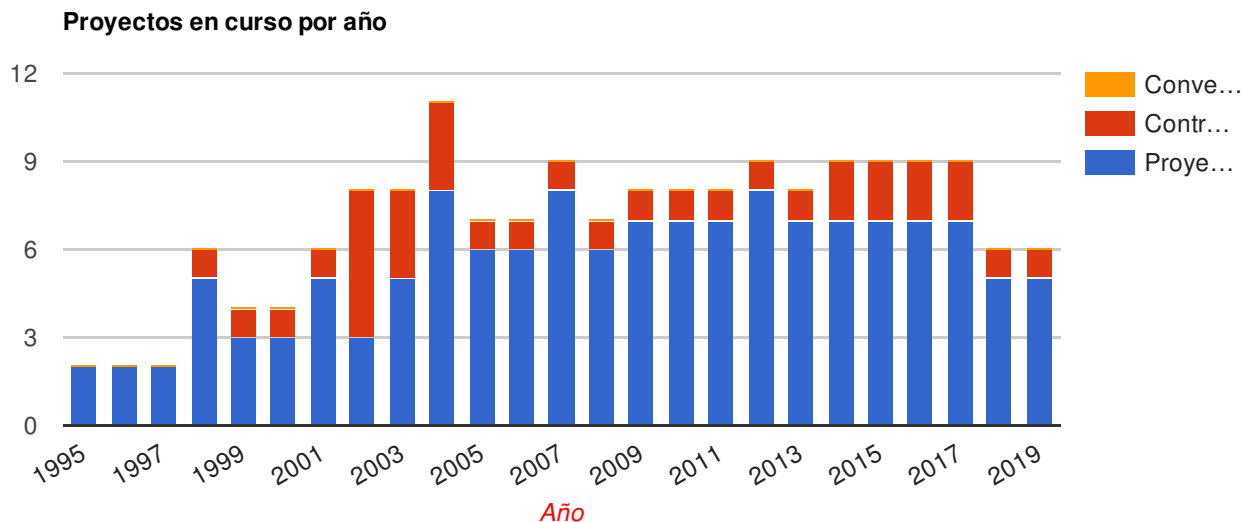
## Producción 221

Artículos (171) Libros (1) Capítulos de Libros (22) Tesis dirigidas (27)



## Proyectos dirigidos 31

Proyectos (21) Contratos (10) Convenios (0)



## Actividades 3

<b>Título publicación</b>	<b>Fuente</b>	<b>Tipo</b>	<b>Fecha</b>
Efecto del tiempo de grabado del titanio en su topografía, química, humectabilidad y adhesión celular	Facultad de odontología. universidad de granada	Tesis doctoral	2017
Testing the performance of superhydrophobic aluminum surfaces	Journal of colloid and interface science	Articulo	2017
Towards super-nonstick aluminized steel surfaces	Progress in organic coatings	Articulo	2017
A simple strategy to improve the interfacial activity of true janus gold nanoparticles: a shorter hydrophilic capping ligand	Soft matter	Articulo	2016
Caracterización topográfica de implantes de uso comercial	Facultad de odontología, universidad de granada	Tesis doctoral	2016
Estudio de superficies texturizadas desde topografía micrométrica a nanométrica para aplicaciones bioadhesivas	Universidad de granada. facultad de ciencias	Tesis doctoral	2016
Effect of hydrofluoric acid etching time on titanium topography, chemistry, wettability, and cell adhesion	Plos one	Articulo	2016
Effect of the terminal group of phosphonate self-assembled films formed on ti surfaces on the biomimetic layer formation and cell adhesion	Applied surface science	Articulo	2016
Fabrication of water-repellent surfaces on galvanized steel	Rsc advances: an international journal to further the chemical sciences	Articulo	2016
Formation of mixed and patterned self-assembled films of alkylphosphonates on commercially pure titanium surfaces	Applied surface science	Articulo	2016
Impact of the collective diffusion of charged nanoparticles in the convective/capillary deposition directed by receding contact lines	European physical journal e. soft matter	Articulo	2016
Interfacial activity of gold nanoparticles coated with a polymeric patchy shell and the role of spreading agents	Acs omega	Articulo	2016
Specific ion effects and ph dependence on the interaction forces between polystyrene particles	Langmuir	Articulo	2016
Colloidal assembly by convective deposition. the role of electric charge, substrate wettability and particle density	Universidad de granada. facultad de ciencias	Tesis doctoral	2015
Colloidal assembly by convective deposition. the role of electric charge, substrate wettability and particle density		Tesis doctoral	2015
Entropic image segmentation of sessile drops over patterned acetate	Mathematics and computers in simulation	Articulo	2015
Interfacial activity and contact angle of homogeneous, functionalized, and janus nanoparticles at the water/decane interface	Langmuir	Articulo	2015
Natural inhibitors of lipase: examining lipolysis in a single droplet	Journal of agricultural and food chemistry	Articulo	2015
Particle segregation at contact lines of evaporating colloidal drops: influence of the substrate wettability and particle charge-mass ratio	Langmuir	Articulo	2015
Subphase exchange experiments with the pendant drop technique	Advances in colloid and interface science	Articulo	2015
Surface activity and collective behaviour of colloidally stable janus-like particles at the air-water interface	Soft matter	Articulo	2015

Bile salts at the air <sub>2</sub> water interface: adsorption and desorption	Colloids and surfaces b: biointerfaces	Articulo	2014
Bitumen spreading on calcareous aggregates at high temperature	Journal of materials science	Articulo	2014
Bitumen spreading on calcareous aggregates at high temperature	Journal of materials science	Articulo	2014
Comparison of the interfacial activity between homogeneous and janus gold nanoparticles by pendant drop tensiometry	Langmuir	Articulo	2014
Effect of root planing on surface topography: an in-vivo randomized experimental trial.	Journal of periodontal research	Articulo	2014
Improvement of the jrc calculation using different parameters obtained through a new survey method applied to rock discontinuities	Rock mechanics and rock engineering	Articulo	2014
In-plane particle counting at contact lines of evaporating colloidal drops: effect of the particle electric charge	Soft matter	Articulo	2014
Interfacial activity of auc6 nanoparticles using the pendant drop technique	Journal of colloid science and biotechnology	Articulo	2014
Osteoblastic cell response of biomimetic coatings formed on titanium surfaces mediated by self assembled films	Universidad de granada	Tesis doctoral	2014
Pluronic-covered oil-water interfaces under simulated duodenal conditions	Food hydrocolloids	Articulo	2014
Selective desorption of organophosphonates on chemically functionalized titanium by direct laser patterning	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2014
Surface microanalysis and chemical imaging of early dentin remineralization.	Microscopy and microanalysis	Articulo	2014
Transition from stripe-like patterns to a particulate film using driven evaporating menisci	Langmuir	Articulo	2014
Using afm to probe the complexation of dna with anionic lipids mediated by ca <sup>2+</sup> : the role of surface pressure.	Soft matter	Articulo	2014
Wettability and osteoblastic cell adhesion on ultrapolished commercially pure titanium surfaces: the role of the oxidation and pollution states	Journal of adhesion science and technology	Articulo	2014
Controlling the morphology of ring-like deposits by varying pinning time of driven receding contact lines	Interfacial phenomena and heat transfer	Articulo	2013
In vitro digestion of interfacial protein structures	Soft matter	Articulo	2013
Interfacial characterization of pluronic pe9400 at biocompatible(air <sub>2</sub> water and limonene <sub>2</sub> water) interfaces	Colloids and surfaces b: biointerfaces	Articulo	2013
Interfacial energy of heavy naphthenic bitumen in aqueous medium	Fuel	Articulo	2013
Monitoring experiments using mobile devices	Proceedings of 2015 ieee international conference on computational intelligence and virtual environments for measurement systems and applications	Capítulo de libro	2013
The role of the electrostatic double layer interactions in the formation of nanoparticle ring-like deposits at driven receding contact lines	Soft matter	Articulo	2013
Determining efficacy of monitoring devices on ceramic bond to resin composite	Medicina oral, patologia oral y cirugia bucal	Articulo	2012

ceramic bond to resin composite			
Nanoparticle deposits formed at driven contact lines	Universidad de granada. facultad de ciencias	Tesis doctoral	2012
The effect of contact line dynamics and drop formation on measured values of receding contact angle at very low capillary numbers	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2012
A new method for evaluating the most stable contact angle using tilting plate experiments	Soft matter	Articulo	2011
A new method for evaluating the most-stable contact angle using mechanical vibration	Soft matter	Articulo	2011
Additional comments on "an essay on contact angle measurements" by m. strobela and c. s. lyons	Plasma processes and polymers	Articulo	2011
Comparison of sessile drop and captive bubble methods on rough homogeneous surfaces: a numerical study	Langmuir	Articulo	2011
Comparison of the relaxation of sessile drops driven by harmonic and stochastic mechanical excitations	Langmuir	Articulo	2011
Contact angle hysteresis on polymer surfaces: an experimental study	Journal of adhesion science and technology	Articulo	2011
Investigating the effect of surfactants on lipase interfacial behaviour in the presence of bile salts	Food hydrocolloids	Articulo	2011
Surface analysis of conditioned dentin and resin-dentin bond strength	Journal of adhesion science and technology	Articulo	2011
Surface rheology of sorbitan tristearate and beta-lactoglobulin: shear and dilatational behavior	Journal of non-newtonian fluid mechanics	Articulo	2011
A new model to estimate the young contact angle from contact angle hysteresis measurements	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2010
A new model for evaluating the most-stable contact angle using mechanical vibration		Articulo	2010
Effect of roughness, wettability and morphology of engineered titanium surfaces on osteoblast-like cell adhesion	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2010
Food colloids 2010: on the road from interfaces to consumers	Applied rheology (print)	Articulo	2010
Generalization and advanced application of axisymmetric drop shape analysis	Applied surface thermodynamics	Capítulo de libro	2010
Efecto de la rugosidad y heterogeneidad superficial en fenómenos de mojado	Universidad de granada. física aplicada	Tesis doctoral	2009
Interfacial phenomena underlying the behavior of foams and emulsions	Structure and functional properties of colloidal systems	Capítulo de libro	2009
Modeling the corrugation of the three-phase contact line perpendicular to a chemically striped substrate	Langmuir	Articulo	2009
Roughness and hydrophobicity on silica surfaces as factors for osteoblast proliferation and cell morphology	# iii reunión ibérica de coloides e interfases (rici). viii reunión del grupo especializado de coloides e interfases (geci). extended communications ( año: 2009, isbn: 978-84-338-5027-0)	Capítulo de libro	2009
Adsorption of soy protein isolate at air-water and oil-water interfaces	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2008
Effect of acid etching on dentin wettability and roughness: self-etching primers versus phosphoric acid	Journal of biomedical materials research. part b: applied biomaterials	Articulo	2008
Estabilidad y actividad interfacial de emulsiones		Tesis	2008

modelo con interés en alimentación funcional	Universidad de granada. física aplicada	doctoral	2008
Factors affecting the measurement of roughness factor of surfaces and its implications for wetting studies	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2008
Foams and emulsions of beta-casein examined by interfacial rheology	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2008
Imaging techniques applied to characterize bitumen and bituminous emulsions.	Advances in colloid and interface science	Articulo	2008
Wettability and bonding of self-etching dental adhesives: influence of the smear layer	Dental materials	Articulo	2008
Wetting on axially-patterned heterogeneous surfaces.	Advances in colloid and interface science	Articulo	2008
Novel light-cured resins and composites with improved physicochemical properties	Dental materials	Articulo	2007
Stabilization of paraffin emulsions used in the manufacture of chipboard panels by liquid crystalline phases	Journal of dispersion science and technology	Articulo	2007
Surface properties and foam stability of protein/surfactant mixtures: theory and experiment	The journal of physical chemistry c	Articulo	2007
Caracterización interfacial de proteínas y tensioactivos: aplicación a dispersiones alimentarias	Universidad de granada. física aplicada	Tesis doctoral	2006
Evaluación de la humectabilidad y de la rugosidad de superficies de titanio con diferentes tratamientos y su relación con la adhesión celular	Universidad de granada. estomatología	Tesis doctoral	2006
Influence of oil content in paraffins on the behavior of wax emulsions: wetting and rheology	Journal of dispersion science and technology	Articulo	2006
Influencia de la humectabilidad, la tecnica de aplicacion y el envejecimiento de varios selladores de fisuras en la capacidad de sellado	Universidad de granada. estomatología	Tesis doctoral	2006
Mojado en condiciones de no-equilibrio sobre superficies reales	Universidad de granada	Libros	2006
Regarding the laboratory challenge in distance education: implementation of a general physics lab course on the multilingual odiseame e-learning platform	Best practices in e-learning: towards a technology-based and quality education	Capítulo de libro	2006
Surface characterization of human serum albumin and sodium perfluorooctanoate mixed solutions by pendant drop tensiometry and circular dichroism	Biopolymers	Articulo	2006
Wetting on heterogeneous surfaces: pseudo-spherical approximation of sessile drops	Contact angle, wettability and adhesion	Capítulo de libro	2006
Zeta-potential of polystyrene latex determined using different electrokinetic techniques in binary liquid mixtures	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2006
A scaling analysis of beta-casein monolayers at liquid-fluid interfaces	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2005
Caracterizacion superficial y evaluacion de la eficacia de los adhesivos autograbadores en dentina	Universidad de granada. estomatología	Tesis doctoral	2005
Dilatational rheology of beta-casein adsorbed layers at liquid-fluid interfaces	The journal of physical chemistry b	Articulo	2005
Dynamics of protein adsorption at the oil-water interface: comparison with a theoretical model	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2005
Mojado en condiciones de no-equilibrio sobre superficies reales	Universidad de granada. física aplicada	Tesis doctoral	2005

Propiedades de la adsorción mixta de beta-caseína/tensioactivo en la interfaz aire-agua	Coloides e interfases	Capítulo de libro	2005
Proteínas en interfaces líquido-fluido	Proteínas alimentarias y coloides de interés industrial	Capítulo de libro	2005
Rugosidad en fenómenos de mojado: limando asperezas	Coloides e interfases	Capítulo de libro	2005
Study on the effect of raw material composition on water-repellent capacity of paraffin wax emulsions on wood	Journal of dispersion science and technology	Artículo	2005
Adsorbed and spread beta-casein monolayers at oil-water interfaces	Langmuir	Artículo	2004
Adsorption isotherms of cationic surfactants on bitumen films studied using axisymmetric drop shape analysis	Contact angle, wettability and adhesion	Capítulo de libro	2004
Beta-casein adsorption at liquid interfaces: theory and experiment	The journal of physical chemistry b	Artículo	2004
Colloidal aggregation in two-dimensions	Surface and colloid science	Capítulo de libro	2004
Development of a pressure-controlled pendant-drop surface balance: study of protein adsorption kinetics at the solution-air interface	Progress in colloid and polymer science	Artículo	2004
Effect of the hydration status of the smear layer on the wettability and bond strength of a self-etching primer to dentin	American journal of dentistry	Artículo	2004
Streaming current, permeability, and microelectrophoresis of polystyrene latices in methanol-ethanol mixtures	Journal of colloid and interface science	Artículo	2004
Caracterización de superficies sólidas reales. un acercamiento teórico.	Coloides e interfases : vigo, 2003	Capítulo de libro	2003
Comparative study of adsorbed and spread beta-casein monolayers at the water-air interface with the pendant drop technique	Langmuir	Artículo	2003
Dynamic contact angle and spreading rate measurements for the characterization of the effect of dentin surface treatments	Journal of colloid and interface science	Artículo	2003
Electrokinetic parameters of colloidal model systems: analysis and comparison between dilute and concentrated dispersions	Journal of colloid and interface science	Artículo	2003
Influence of eugenol contamination on the wetting of ground and etched dentin	Operative dentistry	Artículo	2003
Monocapas de beta-caseína adsorbida en interfaces líquido-fluido	Coloides e interfases : vigo, 2003	Capítulo de libro	2003
Propagación de errores en la medida del ángulo de contacto de gotas sésiles	Coloides e interfases : vigo, 2003	Capítulo de libro	2003
Stability of highly charged particles: bitumen-in-water dispersions	Colloids and surfaces. a, physicochemical and engineering aspects	Artículo	2003
The young-laplace equation links capillarity with geometrical optics	European journal of physics	Artículo	2003
Velocidad de rotura de las emulsiones bituminosas en contacto con áridos.	Carreteras	Artículo	2003
A study of the different methods usually employed to compute the fractal dimension	Physica a. statistical mechanics and its applications	Artículo	2002
Contact angle hysteresis on dentin surfaces measured with adsa on drops and bubbles	Colloids and surfaces. a, physicochemical and engineering aspects	Artículo	2002

Contact angle measurements on two (wood and stone) non-ideal surfaces	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2002
Development of a constant surface pressure penetration langmuir balance based on axisymmetric drop shape analysis	Journal of colloid and interface science	Articulo	2002
Effect of sodium hypochlorite on dentin bonding with a polyalkenoic acid-containing adhesive system	Journal of biomedical materials research	Articulo	2002
Effect of surface treatment on enamel roughness and wettability	Journal of biomedical materials research	Articulo	2002
Interacciones físicas en interfases de interés biológico. estudio termodinámico y cinético	Universidad de granada. física aplicada	Tesis doctoral	2002
Medida de las magnitudes dinamicas por analisis de interfases curvas	Universidad de granada. física aplicada	Tesis doctoral	2002
A single-cluster light scattering study of fast-aggregating protein-coated polymer colloids	Progress in colloid and polymer science	Articulo	2001
An improved method to estimate the fractal dimension of physical fractals based on the hausdorff definition	Physica a. statistical mechanics and its applications	Articulo	2001
Caracterizacion interfacial de la adhesion de emulsiones de interes tecnologico	Universidad de granada. física aplicada	Tesis doctoral	2001
Caracterización superficial e interfacial de la dentina acondicionada con ácido hipoclorito sódico e irradiación laser	Universidad de granada. estomatología	Tesis doctoral	2001
Colloidal interaction at the air-liquid interface:experimental results	Progress in colloid and polymer science	Articulo	2001
Dentin wetting by four adhesive systems	Dental materials	Articulo	2001
Effect of sodium hypochlorite on dentin bonding with a polyalkenoic acid-containing adhesive system	Journal of biomedical materials research	Articulo	2001
Influence of self-etching primer on the resin adhesion to enamel and dentin	American journal of dentistry	Articulo	2001
Interactions, desorption and mixing thermodynamics in mixed monolayers of beta-lactoglobulin and bovine serum albumin	Colloids and surfaces b: biointerfaces	Articulo	2001
Interfacial hudrolysis of phospholipid monolayers studied with a new pressure-controlled pendant-drop penetration surface balance	Langmuir	Articulo	2001
Measurement of surface tension and contact angle using entropic edge detection	Measurement science and technology	Articulo	2001
Multifractal behaviour of the estimated natural measure for colloidal cluster-cluster aggregation in 2-d	Physica a. statistical mechanics and its applications	Articulo	2001
On the self-similarity of fractal colloidal aggregates in two dimensions	Journal of physics a: mathematical and general	Articulo	2001
Sequential adsorption of triton x-100 and sodium dodecyl sulfate onto positively and negatively charged polystyrene latexes	Journal of colloid and interface science	Articulo	2001
Adsa como balanza de superficies de penetración	Coloides e interfases, estado líquido : almería, 2000	Capítulo de libro	2000
Caracterización de superficies polimericas mediante la técnica de angulo de contacto. aplicación al latex de poliestireno como sistema modelo	Universidad de granada. física aplicada	Tesis doctoral	2000
Colloidal interaction at the air-liquid interface	Journal of colloid and interface science	Articulo	2000
Development of an isothermal titration			



microcalorimetric system with digital control and dynamic power peltier compensation. i. description and basic performance	Review of scientific instruments	Articulo	2000
Development of an isothermal titration microcalorimetric system with digital control and dynamic power peltier compensation. ii. characterization and operation mode. myoglobin adsorption onto polymeric latex particles	Review of scientific instruments	Articulo	2000
Dynamic scaling in surface-controlled colloidal aggregation	Journal of physics: condensed matter	Articulo	2000
Escalado temporal en agregación de partículas coloidales recubiertas con bsa.	Boletín de la sociedad española de cerámica y vidrio	Articulo	2000
Evidencia experimental del escalado dinámico en procesos de agregación controlados por macromoléculas	Coloides e interfaces, estado líquido : almería, 2000	Capítulo de libro	2000
Investigación del comportamiento interfacial de lípidos y proteínas. formación y caracterización de películas monomoleculares	Universidad de granada. física aplicada	Tesis doctoral	2000
Measurement of dynamic surface tension to determine critical micellar concentration in lipophilic silicon surfactants	Il farmaco	Articulo	2000
Measurement of dynamic tension to determine critical micellar concentration in lipophilic silicone surfactants	Il farmaco	Articulo	2000
Medidas de propiedades interfaciales en fluidos mediante procesamiento entrópico de imagen	Anales de ingeniería mecánica	Articulo	2000
Obtención y caracterización de multicapas langmuir-blodgett de seroalbumina bovina	Coloides e interfaces, estado líquido : almería, 2000	Capítulo de libro	2000
Acid-etching and hydration influence on dentin roughness and wettability	Journal of dental research	Articulo	1999
Axisymmetric drop shape analysis as penetration film balance applied at liquid-liquid interfaces	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	1999
Axisymmetric drop shape analysis as penetration langmuir balance	Review of scientific instruments	Articulo	1999
Comparative electrophoretic mobility and streaming current study for [zeta]-potential determination	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	1999
Determination of the rigorous transfer function of an isothermal titration microcalorimeter with peltier compensation	Journal of thermal analysis and calorimetry	Articulo	1999
Development of a new langmuir-type pendant-drop film balance	Colloids and surfaces b: biointerfaces	Articulo	1999
Effect of acid etching and collagen removal on dentin wettability and roughness	Journal of biomedical materials research	Articulo	1999
Escalado temporal en procesos de agregación de biocoloides	Universidad de granada. física aplicada	Tesis doctoral	1999
Estructura fractal de los agregados coloidales en 2-d	Universidad de granada. física aplicada	Tesis doctoral	1999
Estudio termodinámico de la superficie dentaria y su relación con las biopropiedades adhesivas	Universidad de granada. estomatología	Tesis doctoral	1999
Evaluation of the interactions between lipids and [gamma]-globulin protein at the air-liquid interface	Colloids and surfaces b: biointerfaces	Articulo	1999
Measurement of ultra low interfacial tension with adsa using an entropic edge detector	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	1999
The surface charge density influence on the			



The surface charge density influence on the electrokinetic properties of model colloids	Journal of colloid and interface science	Articulo	1999
Aspectos termodinamicos de la caracterizacion mediante reflectometria de la adsorcion de bicoloides en a interfase solido-liquido	Coloides e interfaces	Capítulo de libro	1998
Chain dependence in phospholipid interactions: a thermodynamic study of mixed monolayers	Colloid and polymer science	Articulo	1998
Efecto de la composicion del medio liquido sobre las propiedades electrocineticas de los sistemas coloidales modelo	Universidad de granada. física aplicada	Tesis doctoral	1998
Microcalorimetro isotermico de valoracion de alta sensibilidad. aplicacion al estudio de la adsorcion de proteinas sobre coloides modelo polimericos	Universidad de granada. física aplicada	Tesis doctoral	1998
New measuring method in isothermal titration calorimetry based on a proportional-integral controlled system	Journal of thermal analysis	Articulo	1998
On the identification of bridging flocculation: and extended collision efficiency model	Progress in colloid and polymer science	Articulo	1998
Streaming current of polystyrene porous plugs: solvent composition effect	Journal of colloid and interface science	Articulo	1998
Surface potential and particle size effect on the rate of perikinetic coagulation	Anales de física	Articulo	1998
A comparative study on the adsorption of triton x-100 and tween 20 onto latexes with different interfacial properties	Journal of colloid and interface science	Articulo	1997
Aggregation behaviour of protein coated polymer colloids studied by single cluster light scattering	Progress in colloid and polymer science	Articulo	1997
Determinación de la concentración micelar crítica en tensioactivos silicónicos	Jornadas del comite español de la detergencia	Articulo	1997
Experimental evidence regarding the influence of surface charge on the bridging flocculation mechanism	Progress in colloid and polymer science	Articulo	1997
Experimental evidence regarding the influence of surface charge on the bridging flocculation mechanism	Progress in colloid and polymer science	Articulo	1997
Influence of cluster morphology on calculation of the aggregation rate constant in mesoscopic systems	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	1997
Measurement of absolute coagulation rate constants for colloidal particles: comparison of single and multiparticle light scattering techniques	Journal of colloid and interface science	Articulo	1997
Single cluster light scattering and photon correlation spectroscopy: two powerful techniques for monitoring cluster aggregation	Progress in colloid and polymer science	Articulo	1997
Axisymmetric drop shape-analysis as a method to study dynamic interfacial tensions	Dynamic properties of interfaces and association structures	Capítulo de libro	1996
Axixymmetric drop shape-analysis as a film balance-rate dependence of collapse pressure and molecular area at close packing of 1-octadecanol monolayer	Langmuir	Articulo	1996
Cluster-size distribution in colloidal aggregation monitored by single-cluster light scattering	Physica a. statistical mechanics and its applications	Articulo	1996
Concentration dependence of the film pressure of human serum albumin at the water/decane interface	Colloids and surfaces b: biointerfaces	Articulo	1996
Determination of ultralow interfacial-tension by axisymmetrical drop shape analysis	Acs symposium series	Capítulo de libro	1996

axisymmetrical drop-shape analysis		de libro	
Dynamic scaling in colloidal fractal aggregation: influence of the particle surface charge densities	Progress in colloid and polymer science	Articulo	1996
Effect of the particle surface charge density on the colloidal aggregation mechanism	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	1996
Effect of the solvent composition on the electrophoretic coefficient of polymer model colloids	Journal of non-equilibrium thermodynamics	Articulo	1996
Estudio experimental sobre viscosidad y humectabilidad del ácido ortofosfórico	Journal de la clinica odontologica	Articulo	1996
Influence of enamel prophylaxis on wettability of three commercially available orthophosphoric acids	Journal of biomedical materials research	Articulo	1996
Métodos de profilaxis. estudio in vitro de las variaciones en la humectabilidad de tres ácidos ortofosfóricos	Avances en odontoestomatologia	Articulo	1996
Surface characterization of latexes with different interfacial properties	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	1996
Electric double layer relaxation in positively and negatively charged polymer colloids	Anales de física	Articulo	1995
Molecular rearrangements in lipid monolayers: a study on phase transitions	Short and long chains at interfaces	Capítulo de libro	1995
Molecular rearrangements in lipid monolayers: a study on phase transtitions	Short and long chains at interfase	Articulo	1995
The temperature dependence of the interfacial tension of aqueous human albumin solution/decane	Colloids and surfaces b: biointerfaces	Articulo	1995
A comparative study on the electrokinetic behavior of bsa molecules adsorbed onto different polymer colloids	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	1994
Effect of surface charge density on the electrosurface properties of positively charged polystyrene beads	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	1994
Estudio de agragacion en fluidos complejos: escalado espacial y temporal. construccion de un dispositivo de deteccion optica individualizada de particulas y empleo de espectroscopia de fotocorrelacion	Universidad de granada. otros departamentos	Tesis doctoral	1994
Coagulation of polymer colloids by igg molecules	Progress in colloid and polymer science	Articulo	1993
Differential thermal analysis of negatively charged polystyrene latices	Colloid and polymer science	Articulo	1993
Latex aggregation in two dimensions	Progress in colloid and polymer science	Articulo	1993
Sintesis, caracterizacion y aplicacion de coloides polimericos funcionalizados	Universidad de granada. física aplicada	Tesis doctoral	1993
Estudio de estabilidad de espumas en función de la temperatura.	Ncp. noticias de cosmética y perfumeria	Articulo	1992
Mixed monolayers of lecithin and bile acids at the air-aqueous solution interface. effect of temperature and subphase ph	Macromolecular assemblies in polymeric sustems	Capítulo de libro	1992
Thermodynamic study on phase transition in mixed monolayers of cholesterol, lecithin and lithocholic acid	Thin solid films	Articulo	1992
A study of the miscibility of bile components in mixed monolayers at the air-liquid interface. i. cholesterol, lecithin and lithocholic acid	Colloid and polymer science	Articulo	1991
Adsorption of anionic surfactants on positively charged polystyrene particles	Colloid and polymer science	Articulo	1991

Further studies on the stability of polystyrene suspensions	Acta polymerica	Articulo	1991
Structural and stability analysis of monolayers of some bile acids at the air-aqueous solution interface	Colloids and surfaces	Articulo	1991
Study of temperature and ph effects on phase transition between liquid expanded/liquid condensed of cholesterol, lecithin and lithocholic acid mixed monolayers	Progress in colloid and polymer science	Articulo	1991
An improved topical formulation for urea	Die pharmazie	Articulo	1990
Effects of particle concentration, ionic strength, ph and temperature on the microelectrophoretic mobility of cationic polystyrene latex. i	Progress in colloid and polymer science	Articulo	1990
Effects of particle concentration, ionic strength, ph and temperature on the microelectrophoretic mobility of cationic polystyrene latex. i	Progress in colloid and polymer science	Articulo	1990
A study of the primary electroviscous effect in pyrex glass suspensions	Journal of dispersion science and technology	Articulo	1989
Adsorption-desorption in celestite (s04sr) flotation with a cationic-type collector	Colloids and surfaces	Articulo	1989
Flotation properties of celestite in aqueous solutions of ionic surfactants	International journal of mineral processing	Articulo	1989
Possible vehicles for rassoul in shampoo formulations	Cosmetics & toiletries (ed. brasil)	Articulo	1989
Potencial zeta y flotación de celestina en disoluciones de oleato sódico	Afinidad: revista de quimica teorica y aplicada	Articulo	1989
A study of the electrophoretic properties of montmorillonite particles in aqueous electrolyte solutions	materials chemistry and physics	Articulo	1988
Correlations between adsorption and desorption of ionic collectors on celestite surface and its flotability	Adsorption science & technology	Articulo	1988
On the bulk and surface electric conductivity in montmorillonite suspensions	materials chemistry and physics	Articulo	1988
Sobre el papel de un gel mixto de mucopolisacáridos (hialuronato/condroitin sulfato) en la resitencia al flujo del humor acuoso	Archivos de la sociedad española de oftalmología	Articulo	1988
The zeta potential of celestite in aqueous electrolyte and surfactant solutions	Journal of colloid and interface science	Articulo	1988
A device for the authomatic determination of surface tension of surfactant solutions	Journal of physics. e, scientific instruments	Articulo	1987
The primary electroviscous effect in monodisperse polystyrene suspensions	Acta polymerica	Articulo	1987
Evolución de la agudeza estereoscópica en función del tiempo de observación	Optica pura y aplicada	Articulo	1984
Stereoscopic acuity as a function of chromatic light illumination	Atti della fondazione giorgio ronchi	Articulo	1983

	<b>Título proyecto</b>	<b>Tipo</b>	<b>Inicio</b>	<b>Fin</b>
1	Diseño y preparacion de superficies repelentes de liquidos operando en condiciones extremas	Proyecto	1/1/15	12/31/17
2	Diseño y preparación de superficies repelentes de líquidos operando en condiciones extremas	Proyecto	1/1/15	12/31/17
3	Second stage of research and development project to prevent and/or reduce icing of the installations of sierra nevada ski resort	Contrato	9/20/16	10/31/17
4	¿to prevent and/or reduce icing of the installations of sierra nevada ski resort¿	Contrato	10/1/14	12/31/15
5	Interacciones celula-superficie en implantes biomimeticos de titanio	Proyecto	1/1/12	12/31/14
6	Interacciones celula-superficie en implantes biomimeticos de titanio	Proyecto	1/1/12	12/31/14
7	Adhesión de ligantes coloidales para pinturas	Proyecto	1/13/09	1/13/12
8	Interacciones celula-superficie en implantes bioactivos de titanio y circonio	Proyecto	1/1/11	12/31/11
9	Mojabilidad de materiales de interes biomedico	Proyecto	10/1/07	9/30/10
10	lii international workshop bubble and drop interfaces	Proyecto	1/1/07	12/31/07
11	Estudio teorico experimental de las interacciones en las interfases material biologico-no biologico y su dependencia de las variables fisico-quimicas.	Proyecto	12/13/04	12/13/07
12	Influencia del origen de crudo en las emulsiones bituminosas catiónicas	Proyecto	5/27/03	12/31/04
13	Cinética de la rotura de las emulsiones bituminosas	Contrato	1/1/04	12/31/04
14	Tratamiento de la superficie dentaria para la mejora de sus biopropiedades adhesivas: sistemas adhesivos autograbadores. estudio de las interfases dentina-adhesivo, esmalte-adhesivo	Proyecto	12/28/01	12/27/04
15	Influencia de la parafina y emulgentes en la impermeabilización de los tableros de alomerado	Contrato	1/1/02	1/1/04
16	Cinética de la rotura de las emulsiones bituminosas	Contrato	1/1/03	12/31/03
17	Mecanismos de rotura y adhesividad de las emulsiones bituminosas	Contrato	1/1/02	12/31/02
18	Informe pericial en el procedimiento del juicio verbal 614/2000 en el juzgado de 1ª instancia nº 1 de granada	Contrato	4/1/02	4/30/02
19	Caracterizacion superficial de titanio. mediciones de angulo de contacto y energía superficial de 4 muestras	Contrato	3/22/02	4/22/02
20	Estudio fisicoquimico de emulsiones bituminosas cationicas	Contrato	1/1/98	12/31/01
21	Tratamiento de superficies dentinaria para la mejora de sus biopropiedades adhesivas: desproteinizacion y ablacion laser. estudio de la interfase dentina-adhesivo	Proyecto	1/1/98	12/13/01
22	Tratamiento de la superficie dentinaria para la mejora de sus biopropiedades adhesivas: desproteinización y ablación laser. estudio de la interfase dentina adhesivo	Proyecto	10/1/98	9/30/01
23	Fisico-quimica de las emulsiones bituminosas cationicas	Proyecto	1/1/98	1/1/01
24	Tratamiento de la superficie dentinaria para la mejora de sus biopropiedades adhesivas	Proyecto	7/1/95	7/1/98
25	Tratamiento de la superficie dentaria para la mejora de sus biopropiedades adhesivas: interfase dentina-resina compuesta	Proyecto	1/1/95	1/1/98
26	Los 10 experimentos más bonitos de la física: laboratorio de divulgación científico-tecnológica	Proyecto	6/30/04	
27	Estudio de las emulsiones parafínicas	Contrato	10/1/02	
28	El péndulo y el giroscopio de foucault. los otros	Proyecto	1/1/03	
29	Difusión y divulgación	Proyecto	6/30/04	
30	Infraestructura científica: microscopio de fuerzas atómicas	Proyecto	7/4/02	
31	Tratamiento de la superficie dentinaria para la mejora de sus biopropiedades adhesivas: sistemas adhesivos autograbadores. estudio de las interfases dentina-adhesivo, esmalte-adhesivo	Proyecto	1/1/01	

### Actividades 3

Titulo actividad	Fuente	Tipo	Fecha
Participación en: sociedad española de materiales ()		Comité científico en sociedad ci	Jan 1, 2009
Participación en: comisión asesora de la universidad de granada en el parque de la ciencia de granada ()		Comité científico en sociedad ci	Jan 1, 2009
Participación en: international association of colloid and interface science ()		Comité científico en sociedad ci	Jan 1, 2009

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