

Ficha de grupo de investigación

FISICA DE INTERFASES Y SISTEMAS COLOIDALES

Código: FQM144

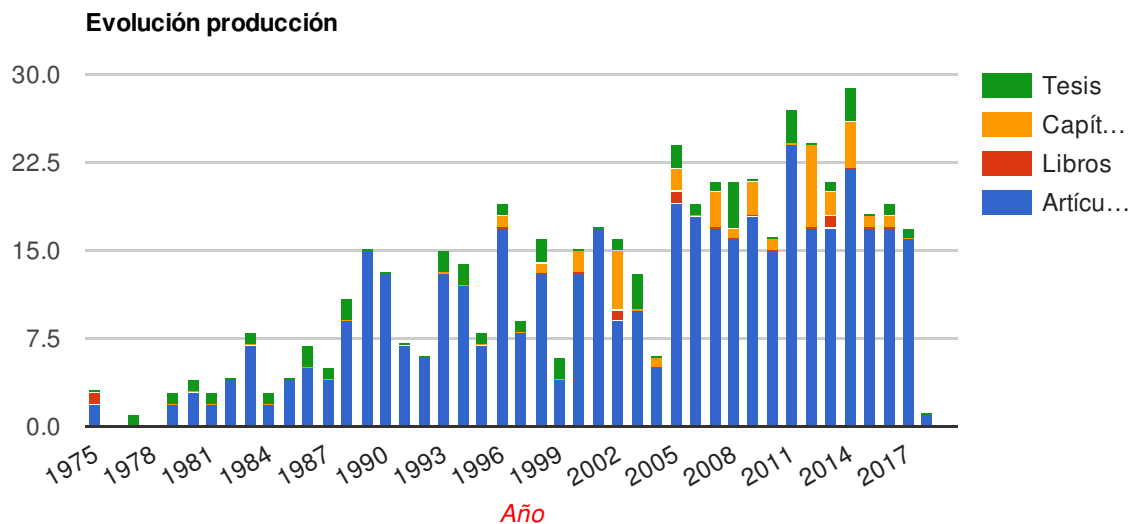
Responsable del grupo: FERNANDO GONZALEZ CABALLERO

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- PALOMA ARENAS GUERRERO Contratado predoctoral de Investigación

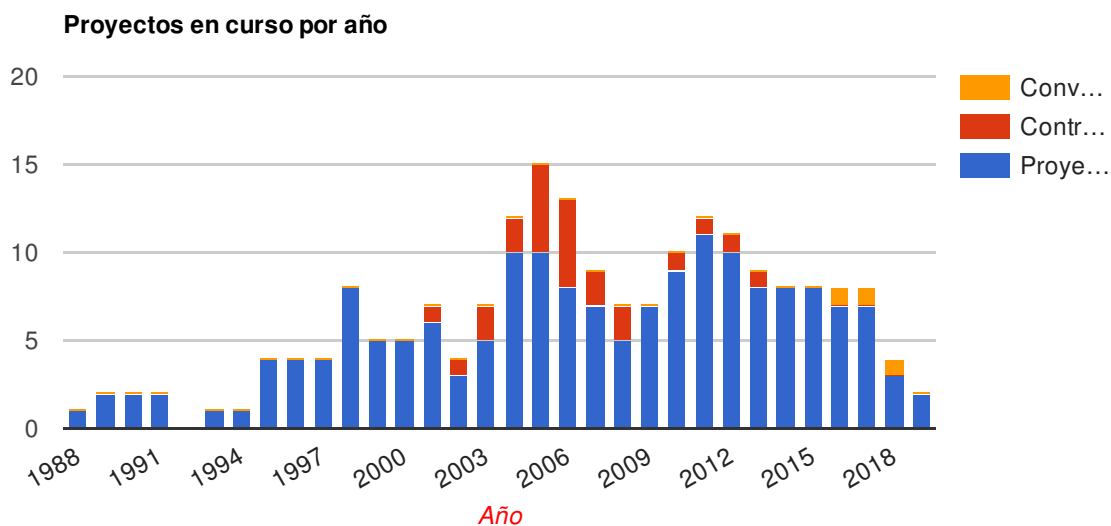
Producción 863

- Artículos (729)
- Libros (4)
- Capítulos de Libros (68)
- Tesis dirigidas (62)



Proyectos dirigidos 54

- Proyectos (44)
- Contratos (9)
- Convenios (1)



Actividades 10

Titulo publicación	Fuente	Tipo	Fecha
Effect of functionalized pHEMA micro- and nanoparticles on the viscoelastic properties of fibrin-agarose biomaterials.		Artículo	2018
Analysis of energy extraction by salinity exchange in porous electrodes	Universidad de Granada	Tesis doctoral	2017
Design and characterization of a magnetite/PEI multifunctional nanohybrid as non-viral vector and cell isolation system	International journal of pharmaceuticals	Artículo	2017
Development and characterization of magnetite/poly(butylcyanoacrylate) nanoparticles for magnetic targeted delivery of cancer drugs	AAPS PharmSciTech	Artículo	2017
Development and characterization of magnetite/poly(butylcyanoacrylate) nanoparticles for magnetic targeted delivery of cancer drugs	AAPS PharmSciTech	Artículo	2017
Dynamic electrophoretic mobility and electric permittivity of concentrated suspensions of plate-like gibbsite particles.	Journal of Colloid and Interface Science	Artículo	2017
Effect of particle concentration on the microstructural and macromechanical properties of biocompatible magnetic hydrogels	Soft Matter	Artículo	2017
Folic acid-decorated and pegylated PLGA nanoparticles for improving the antitumor activity of 5-fluorouracil	International journal of pharmaceuticals	Artículo	2017
Folic acid-decorated and pegylated PLGA nanoparticles for improving the antitumor activity of 5-fluorouracil.	International journal of pharmaceuticals	Artículo	2017
Geometrical properties of materials for energy production by salinity exchange.	Environmental Chemistry (Collingwood, Vic. Print)	Artículo	2017
Improved antitumor activity and reduced toxicity of doxorubicin encapsulated in poly(ϵ -caprolactone) nanoparticles in lung and breast cancer treatment: an in vitro and in vivo study	European journal of pharmaceutical sciences	Artículo	2017
Magnetic nanoparticles as a redispersing additive in magnetorheological fluid	Journal of Nanomaterials	Artículo	2017
Mechanical loading influences the viscoelastic performance of the resin-carious dentin complex.	Biointerphases: a journal of biomaterials and biological interfaces	Artículo	2017
New energy sources: blue energy study in Central America	Journal of Renewable and Sustainable Energy	Artículo	2017
On the effect of wall slip on the determination of the yield stress of magnetorheological fluids	Applied Rheology	Artículo	2017
Simultaneous hyperthermia and doxorubicin delivery from polymer-coated magnetite nanoparticles	Journal of Magnetism and Magnetic Materials	Artículo	2017
Synthesis, characterization and in vivo evaluation of biocompatible ferrogels	Journal of Magnetism and Magnetic Materials	Artículo	2017
Use of soft electrodes in capacitive deionization of solutions	Environmental Science & Technology	Artículo	2017
Biocompatible magnetic core-shell nanocomposites for engineered magnetic tissues	Nanoscale	Artículo	2016
Electric birefringence spectroscopy of montmorillonite particles	Soft Matter	Artículo	2016
Ex vivo characterization of a novel tissue-like cross-linked fibrin-agarose hydrogel for tissue engineering applications	Biomedical Materials	Artículo	2016

Experimental evaluation of using stainless steel slag to produce mechanomutable asphalt mortars for their use in smart materials	Smart materials and structures	Articulo	2016
Fenómenos electrocinéticos en suspensiones de partículas planas.	Universidad de granada. física aplicada	Tesis doctoral	2016
Magnetic hyperthermia with magnetite nanoparticles:electrostatic and polymeric stabilization	Colloid and polymer science	Articulo	2016
Mechanical performance of mechanomutable asphalt binders under cyclic creep and recovery loads	Construction and building materials	Articulo	2016
Mechanoelectrical transduction in the hydrogel-based biomimetic sensors	Sensors and actuators a: physical	Articulo	2016
N-like rheograms of concentrated suspensions of magnetic particles	Journal of rheology	Articulo	2016
Nanoscopic dynamic mechanical analysis of resin-infiltrated dentine, under in vitro chewing and bruxism events	Journal of the mechanical behavior of biomedical materials	Articulo	2016
Nanoscopic dynamic mechanical analysis of resin-infiltrated dentine, under in vitro chewing and bruxism events.	Journal of the mechanical behavior of biomedical materials	Articulo	2016
Recent developments in electrokinetics of salt-free concentrated suspensions	Current opinion in colloid & interface science	Articulo	2016
Simultaneous hyperthermia and doxorubicin delivery from polymer-coated magnetite nanoparticles	Journal of magnetism and magnetic materials	Articulo	2016
Smart polymeric-based microencapsulation: a promising synergic combination	Industrial applications for intelligent polymers and coatings	Capítulo de libro	2016
Stacking of capacitive cells for electrical energy production by salinity exchange	Journal of power sources	Articulo	2016
Submicron-to-nanoscale structure characterization and organization of crystals in dentin bioapatites	Rsc advances: an international journal to further the chemical sciences	Articulo	2016
Synergy between magnetorheological fluids and aluminum foams: prospective alternative for seismic damping	Journal of intelligent material systems and structures	Articulo	2016
Towards a theory of mechanical properties of ferrogels. effect of chain-like aggregates	Physica a. statistical mechanics and its applications	Articulo	2016
Zinc-containing restorations create amorphous biogenic apatite at the carious dentin interface: a x-ray diffraction (xrd) crystal lattice analysis	Microscopy and microanalysis	Articulo	2016
Bioactive bilayered dressing for compromised epidermal tissue regeneration with sequential activity of complementary agents	Acta biomaterialia	Articulo	2015
Chitosan tripolyphosphate nanoparticles as arrabidaea chica standardized extract carrier: synthesis, characterization, biocompatibility, and antiulcerogenic activity	International journal of nanomedicine	Articulo	2015
Development of mechanomutable asphalt binders for the construction of smart pavements	Materials and design	Articulo	2015
Dynamic and wear study of an extremely bidisperse magnetorheological fluid	Smart materials and structures	Articulo	2015
Dynamics of magnetic assembly of binary colloidal structures	Europhysics letters	Articulo	2015
Electric permittivity and dynamic mobility of dilute suspensions of platelike gibbsite particles	Langmuir	Articulo	2015

Enhanced antitumoral activity of doxorubicin against lung cancer cells using	Drug des dev ther	Articulo	2015
General electrokinetic model for concentrated suspensions in aqueous electrolyte solutions: electrophoretic mobility and electrical conductivity in static electric fields	Journal of colloid and interface science	Articulo	2015
Generation and characterization of novel magnetic field-responsive biomaterials	Plos one	Articulo	2015
Influence of the chirality of short peptide supramolecular hydrogels in protein crystallogenesis	Chemical communications	Articulo	2015
Iron/magnetite nanoparticles as magnetic delivery systems for antitumor drugs		Articulo	2015
Iron/magnetite nanoparticles as magnetic delivery systems for antitumor drugs	Journal of nanoscience and nanotechnology	Articulo	2015
Multi-ionic effects on energy production based on double layer expansion by salinity exchange	Journal of colloid and interface science	Articulo	2015
On modeling and nanoanalysis of caries-affected dentin surfaces restored with zn-containing amalgam and in vitro oral function.	Biointerphases: a journal of biomaterials and biological interfaces	Articulo	2015
Preparation of multi-functionalized fe ₃ o ₄ /au nanoparticles for medical purposes		Articulo	2015
Role of steric interactions on the ionic permeation inside charged microgels: theory and simulations	Macromolecules	Articulo	2015
Stability behavior of composite magnetorheological fluids by an induction method		Articulo	2015
Stick-slip instabilites in magnetorheological fluids	Rheology of non-spherical particle suspensions	Capítulo de libro	2015
Ac electrokinetics in concentrated suspensions	Colloid and interface chemistry for nanotechnology	Capítulo de libro	2014
Anocompuestos de hierro polímero biodegradable como sistemas de liberación de fármacos antitumorales	Universidad de granada	Tesis doctoral	2014
Dielectric relaxation in concentrated nonaqueous colloidal suspensions	Journal of colloid and interface science	Articulo	2014
Effect of solution composition on the energy production by capacitive mixing in membrane-electrode assembly	The journal of physical chemistry c	Articulo	2014
Effect of drop-like aggregates on the viscous stress in magnetic suspensions	Journal of non-newtonian fluid mechanics	Articulo	2014
Effect of the hydration on the biomechanical properties in a fibrin-agarose tissue-like model	Journal of biomedical materials research. part a	Articulo	2014
Excluded volume effects on ionic partitioning in gels and microgels: a simulation study	Physical chemistry chemical physics	Articulo	2014
How nonmagnetic particles intensify rotational diffusion in magnetorheological fluids	Physical review e: covering statistical, nonlinear, biological, and soft matter physics	Articulo	2014
Importance of interparticle friction and rotational diffusion to explain recent experimental results in the rheology of magnetic suspensions	Magnetorheology: advances and applications	Capítulo de libro	2014
Inverse magnetorheological fluids	Soft matter	Articulo	2014
Lipid transfer between submicrometer sized pickering isasome emulsions and the influence of added hydrogel	Langmuir	Articulo	2014
Magnetorheological effect in the magnetic field			

magnetorheological effect in the magnetic field oriented along the vorticity	Journal of rheology	Artículo	2014
Materials selection for optimum energy production by double layer expansion methods	Journal of power sources	Artículo	2014
Materials selection for optimum energy production by double layer expansion methods	Journal of power sources	Artículo	2014
Modification of the surface of activated carbon electrodes for capacitive mixing energy extraction from salinity differences	Journal of colloid and interface science	Artículo	2014
Nanocompuestos de hierro polímero biodegradable como sistemas de liberación de fármacos antitumorales	Universidad de granada	Tesis doctoral	2014
On the theory of magnetoviscous effect in magnetorheological suspensions	Journal of rheology	Artículo	2014
Particle geometry, charge, and wettability: the fate of nanoparticle based drug vehicles	Colloid and interface science in pharmaceutical research and development	Capítulo de libro	2014
Polyelectrolyte-coated carbons used in the generation of blue energy from salinity differences	Physical chemistry chemical physics	Artículo	2014
Synergistic cytotoxicity of the poly (adp-ribose) polymerase inhibitor abt-888 and temozolomide in dual-drug targeted magnetic nanoparticles	Liver international	Artículo	2014
Temperature effects on energy production by salinity exchange	Environmental science and technology	Artículo	2014
Temperature-sensitive nanogels in the presence of salt: explicit coarse-grained simulations	Journal of chemical physics	Artículo	2014
The electrokinetic and rheological behavior of phosphatidylcholine-treated tio2 suspensions	Colloids and surfaces. a, physicochemical and engineering aspects	Artículo	2014
The electrokinetic and rheological behavior of phosphatidylcholine-treated tio2 suspensions	Colloids and surfaces. a, physicochemical and engineering aspects	Artículo	2014
The electrokinetic and rheological behavior of phosphatidylcholine-treated tio2suspensions	Colloids and surfaces a: physicochemical and engineering aspects	Artículo	2014
Theoretical and experimental evaluation of the flow behavior of a magnetorheological damper using an extremely bimodal magnetic fluid	Smart materials and structures	Artículo	2014
Viscoelastic properties of magnetic fluids with fiber-like particles	Magneto hydrodynamics	Artículo	2014
Viscoelasticity, structural models and flow instabilities in magnetic suspensions	Universidad de granada	Tesis doctoral	2014
Ph-responsive polymers: properties, synthesis and applications	Smart polymers and their applications	Capítulo de libro	2014
Cryopreservation of an artificial human oral mucosa stroma. a viability and rheological study	Cryobiology	Artículo	2013
Diseño curricular de experimentos virtuales interactivos para la materia ¿meca¿nica¿ (pid 11-201)	Innovación docente y buenas prácticas en la universidad de granada	Capítulo de libro	2013
Effect of surface properties on the electrorheological response of hematite/silicone oil dispersions	Journal of colloid and interface science	Artículo	2013
Effects of non-equilibrium association-dissociation processes in the dynamic electrophoretic mobility and dielectric response of realistic salt-free concentrated suspensions	Advances in colloid and interface science	Artículo	2013
Effects of non-equilibrium association-dissociation processes in the dynamic electrophoretic mobility and dielectric response of realistic salt-free		Artículo	2013

concentrated suspensions			
Functionalized magnetic nanoparticles as vehicles for the delivery of the antitumor drug gemcitabine to liver tumor cells. physicochemical in vitro evaluation	Materials science and engineering: c	Articulo	2013
Física de película (pid 12-71)	Innovación docente y buenas prácticas en la universidad de granada	Capítulo de libro	2013
Instabilities of a pressure-driven flow of magnetorheological fluids	Journal of rheology	Articulo	2013
Inversion of magnetic forces between microparticles and its effect on the magnetorheology of extremely bidisperse magnetic fluids	Journal of nanofluids	Articulo	2013
Juan antonio morente chiquero: in memoriam		Libros	2013
Lipid transfer in oil-in-water isosome emulsions: influence of arrested dynamics of the emulsion droplets entrapped in a hydrogel		Articulo	2013
Lipid transfer in oil-in-water isosome emulsions: influence of arrested dynamics of the emulsion droplets entrapped in a hydrogel	Langmuir	Articulo	2013
Maghemite functionalization for antitumor drug vehiculization		Tesis doctoral	2013
N-like rheograms of suspensions of magnetic nanofibers	Soft matter	Articulo	2013
Nanoengineering of doxorubicin delivery systems with functionalized maghemite nanoparticles	Colloids and surfaces b: biointerfaces	Articulo	2013
Optimizing the magnetic response of suspensions by tailoring the spatial distribution of the particle magnetic material	Acs applied materials and interfaces	Articulo	2013
Predictions of the maximum energy extracted from salinity exchange inside porous electrodes	Journal of colloid and interface science	Articulo	2013
Smart heparin-based bioconjugates synthesized by a combination of atrp and click chemistry	Polymer chemistry	Articulo	2013
Steady state rheological behaviour of multi-component magnetic suspensions	Soft matter	Articulo	2013
Stick-slip instabilities in the shear flow of magnetorheological suspensions		Articulo	2013
Thermosensitive macroporous cryogels functionalized with bioactive chitosan/bemiparin nanoparticles		Articulo	2013
Capmix-deploying capacitors for salt gradient power extraction	Energy procedia	Articulo	2012
Colloids on the frontier of ferrofluids. rheological properties	Langmuir	Articulo	2012
Dielectric dispersion in colloidal systems: applications in the biological sciences	Electrical phenomena at interfaces and biointerfaces	Capítulo de libro	2012
Dielectric dispersion in colloidal systems: applications in the biological sciences	Electrical phenomena at interfaces and biointerfaces	Capítulo de libro	2012
Dynamic and wear study of an extremely bidisperse magnetorheological fluid	Smart materials and structures	Articulo	2012
Dynamic characterization of extremely bidisperse magnetorheological fluids	Journal of colloid and interface science	Articulo	2012
Electrophoresis and dielectric dispersion of spherical polyelectrolyte brushes	Langmuir	Articulo	2012
Electrophoresis and dielectric dispersion of spherical	Langmuir	Articulo	2012

polyelectrolyte brushes			
Ejercicios interactivos para el aprendizaje de la mecánica analítica	Docencia universitaria y creatividad	Capítulo de libro	2012
Ejercicios interactivos para el aprendizaje de los fenómenos ondulatorios	Docencia universitaria y creatividad	Capítulo de libro	2012
Electric birefringence of dispersions of platelets	Langmuir	Artículo	2012
Electrokinetic methods in biological interfaces: possibilities and limitations	Electrical phenomena at interfaces and biointerfaces	Capítulo de libro	2012
Electrophoretic characterization of magnetic nanoparticles coated with poly(ethyleneglycol) (peg) as an antieneoplastic drug carrier	Journal of tissue engineering and regenerative medicine	Artículo	2012
Encapsulation of low molecular weight heparin (bemiparin) into polymeric nanoparticles obtained from cationic block copolymers: properties and cell activity	Journal of materials chemistry b	Artículo	2012
Hydrolysis versus ion correlation models in electrokinetic charge inversion: establishing application ranges		Artículo	2012
Interpretation of contact angle hysteresis	Journal of adhesion science and technology	Artículo	2012
La dinámica del sólido rígido a través de ejercicios virtuales	Docencia universitaria y creatividad	Capítulo de libro	2012
Maghemite functionalization for antitumor drug vehiculization	Molecular pharmaceutics	Artículo	2012
Magnetorheological behavior of magnetite covered clay particles in aqueous suspensions	Journal of applied physics	Artículo	2012
New perspectives for magnetic fluid-based devices using novel ionic liquids as carriers.	Smart actuation and sensing systems - recent advances and future challenges	Capítulo de libro	2012
Rheological characterization of human fibrin and fibrin-agarose oral mucosa substitutes generated by tissue engineering	Journal of tissue engineering and regenerative medicine	Artículo	2012
Wall slip phenomena in concentrated ionic liquid-based magnetorheological fluids	Rheologica acta	Artículo	2012
Yield stress in magnetorheological suspensions near the limit of maximum-packing fraction	Journal of rheology	Artículo	2012
Electrokinetics of concentrated suspensions of spheroidal hematite nanoparticles	Soft matter	Artículo	2012
Applications of optical spectroscopy and stable isotope analyses to organic aerosol source discrimination in an urban area	Atmospheric environment	Artículo	2011
Adsorption of anionic and cationic surfactants on anionic colloids: supercharging and destabilization	Langmuir	Artículo	2011
Description and performance of a fully automatic device for the study of the sedimentation of magnetic suspensions	Review of scientific instruments	Artículo	2011
Double layer polarization in "realistic" aqueous salt-free suspensions	Colloids and surfaces. a, physicochemical and engineering aspects	Artículo	2011
Effect of the volume fraction of solids on the concentration polarization around spheroidal hematite particles	Soft matter	Artículo	2011
Electrocínética de suspensiones concentradas de nanopartículas esféricas	Universidad de granada	Tesis doctoral	2011
Engineering of an antitumor (core/shell) magnetic nanoformulation based on the chemotherapy agent	Colloids and surfaces. a, physicochemical	Artículo	2011

nanofiltration based on the chemotherapy agent ftorafur	and engineering aspects	Articulo	2011
Electrophoresis of concentrated colloidal dispersions in low-polar solvents	Journal of colloid and interface science	Articulo	2011
Electrophoresis of concentrated colloidal dispersions in low-polar solvents	Journal of colloid and interface science	Articulo	2011
Electrophoretic characterization of insulin growth factor (igf-1) functionalized magnetic nanoparticles	Langmuir	Articulo	2011
Formulación de nanomedicinas multifuncionales para el tratamiento del cáncer	Universidad de granada	Tesis doctoral	2011
Giant permittivity and dynamic mobility observed for spherical polyelectrolyte brushes	Soft matter	Articulo	2011
Giant permittivity and dynamic mobility observed for spherical polyelectrolyte brushes	Soft matter	Articulo	2011
Influencia de la naturaleza del líquido portador y de la forma de las partículas magnéticas sobre las propiedades de suspensiones magnetorreológicas	Universidad de granada. fisica aplicada	Tesis doctoral	2011
Interactions between large colloids and surfactants	Soft matter	Articulo	2011
Interactions between large colloids and surfactants	Soft matter	Articulo	2011
Microdynamics of magnetic particles dispersed in complex media	International journal of modern physics b	Articulo	2011
Modeling the patterns of visual field loss in glaucoma	Optometry and vision science	Articulo	2011
Magnetic and magnetorheological properties of nanofibers suspensions	Proceeding of the 12th international conference electrorheological fluids and magnetorheological suspensions-world scien	Articulo	2011
Monoolein: a magic lipid?	Physical chemistry chemical physics	Articulo	2011
Non-linear viscoelastic response of magnetic fiber suspensions in oscillatory shear	Journal of non-newtonian fluid mechanics	Articulo	2011
Stability and magnetorheological behaviour of magnetic fluids based on ionic liquids	Journal of physics: condensed matter	Articulo	2011
Stability of magnetorheological fluids in ionic liquids	Smart materials and structures	Articulo	2011
Steady shear flow of magnetic fiber suspensions: theory and comparison with experiments	Journal of rheology	Articulo	2011
Steric repulsion as a way to achieve the required stability for the preparation of ionic liquid-based ferrofluids	Journal of colloid and interface science	Articulo	2011
Surface modification of glass plates and silica particles by phospholipid adsorption	Journal of colloid and interface science	Articulo	2011
Transparency in a fibrin and fibrin-agarose corneal stroma substitute generated by tissue engineering	Cornea	Articulo	2011
Assessment of surfactant adsorption in oil-based magnetic colloids	Adsorption	Articulo	2010
Consideration of polydispersity in the evaluation of the dynamic mobility of concentrated suspensions	Journal of colloid and interface science	Articulo	2010
Dielectric dispersion in aqueous colloidal systems	Current opinion in colloid & interface science	Articulo	2010
Dynamic electrophoretic mobility of spherical colloidal particles in realistic aqueous salt-free concentrated suspensions	The journal of physical chemistry b	Articulo	2010
Effect of gap thickness on the viscoelasticity of magnetorheological fluids	Journal of applied physics	Articulo	2010

Electric permittivity of concentrated suspensions of elongated goethite particles	Journal of colloid and interface science	Articulo	2010
Electric permittivity of concentrated suspensions of elongated goethite particles	Journal of colloid and interface science	Articulo	2010
Electrokinetic characterization of magnetite nanoparticles functionalized with amino acids	Journal of colloid and interface science	Articulo	2010
Iron/ethylcellulose (core/shell) nanoplatform loaded with 5-fluorouracil for cancer targeting	Colloids and surfaces b: biointerfaces	Articulo	2010
Measurement and interpretation of electrokinetic phenomena	Handbook of biochemistry and molecular biology, fourth edition	Capítulo de libro	2010
Negative electrorheological behavior in suspensions of inorganic particles	Langmuir	Articulo	2010
Normal stresses in a shear flow of magnetorheological suspensions: viscoelastic versus maxwell stresses	Journal of rheology	Articulo	2010
Organoclay particles as reinforcing agents in polysaccharide films	Journal of colloid and interface science	Articulo	2010
Stabilization of lead sulfide nanoparticles by polyamines in aqueous solutions. a structural study of the dispersions	Langmuir	Articulo	2010
Synthesis and magnetorheology of suspensions of submicron-sized cobalt particles with tunable particle size	Journal of physics: condensed matter	Articulo	2010
The electrokinetic behavior of charged non-spherical colloids	Current opinion in colloid & interface science	Articulo	2010
Abrupt contraction flow of magnetorheological fluids	Physics of fluids	Articulo	2009
Ac electrokinetics of concentrated suspensions of soft particles	Langmuir	Articulo	2009
Complex fluids with magnetic field-dependent rheology. ii. computational study	Modeling and simulation of new materials: proceedings of modeling and simulation of new materials: tenth granada lectures. aip conference proceedings	Capítulo de libro	2009
Development of iron/ethylcellulose (core/shell) nanoparticles loaded with diclofenac sodium for arthritis treatment	International journal of pharmaceutics	Articulo	2009
Dielectric dispersion in aqueous colloidal systems	Current opinion in colloid & interface science	Articulo	2009
Dynamic mobility of rodlike goethite particles	Langmuir	Articulo	2009
Effect of polar interactions on the magnetorheology of silica-coated magnetite suspensions in oil media	Journal of colloid and interface science	Articulo	2009
Electrophoretic characterization of gold nanoparticles functionalized with human serum albumin (hsa) and creatine	Journal of colloid and interface science	Articulo	2009
Electrorheology of suspensions of elongated goethite particles	Journal of non-newtonian fluid mechanics	Articulo	2009
Effect of polar interactions on the magnetorheology of silica-coated magnetite suspensions in oil media	Journal of colloid and interface science	Articulo	2009
Influence of particle shape on the magnetic and magnetorheological properties of nanoparticle suspensions	Soft matter	Articulo	2009
Kollidon sr colloidal particles as vehicles for oral morphine delivery in pain treatment	Colloids and surfaces b: biointerfaces	Articulo	2009
Magnetic and microscopic characterization of magnetite nanoparticles adhered to clay surfaces	The american mineralogist	Articulo	2009

magnetite nanoparticles adhered to clay surfaces			
Magnetorheology of fiber suspensions. i. experimental	Journal of rheology	Artículo	2009
Magnetorheology of fiber suspensions. ii. theory	Journal of rheology	Artículo	2009
Role of surface conductivity in the dynamic mobility of concentrated suspensions	Langmuir	Artículo	2009
Structure and colloidal properties of extremely bimodal suspensions	Structure and functional properties of colloidal systems	Capítulo de libro	2009
Structure and colloidal properties of extremely bimodal suspensions	Structure and functional properties of colloidal systems	Capítulo de libro	2009
Study of the magnetorheology of aqueous suspensions of extremely bimodal magnetite particles	European physical journal e. soft matter	Artículo	2009
Study of the stability of kollidon® sr suspensions for pharmaceutical applications	Colloids and surfaces. a, physicochemical and engineering aspects	Artículo	2009
Synthesis and magnetorheology of suspensions of cobalt particles with tunable particle size	Journal of physics: conference series	Artículo	2009
Dielectric response of a concentrated colloidal suspension in a salt-free medium	Langmuir	Artículo	2008
Dynamic electrophoretic mobility of spherical colloidal particles in salt-free concentrated suspensions	Langmuir	Artículo	2008
Effect of particle aggregation on the magnetic and magnetorheological properties of magnetic suspensions	Journal of rheology	Artículo	2008
Fluidos magnéticos compuestos por partículas submicrométricas, ferri y paramagnéticas	Universidad de granada. física aplicada	Tesis doctoral	2008
Lubricantes magnetoviscosos	Universidad de granada. física aplicada	Tesis doctoral	2008
Magnetite/poly(alkylcyanoacrylate) (core/shell) nanoparticles as 5-fluorouracil delivery systems for active targeting	European journal of pharmaceutics and biopharmaceutics	Artículo	2008
On the stability of magnetic colloids	Annales universitatis mariae curie-skłodowska. sectio aa. chemia	Artículo	2008
Oscillatory squeeze flow of suspensions of magnetic polymerized chains	Journal of physics: condensed matter	Artículo	2008
Poly(alkylcyanoacrylate) colloidal particles as vehicles for antitumour drug delivery: a comparative study.	Colloids and surfaces b: biointerfaces	Artículo	2008
Preparation and characterization of iron-based magnetorheological fluids by addition of organoclay particles	Langmuir	Artículo	2008
Preparation of well-dispersed magnetorheological fluids and effect of dispersion on their magnetorheological properties	Rheologica acta	Artículo	2008
Propiedades electrocinéticas de suspensiones coloidales concentradas	Universidad de granada. física aplicada	Tesis doctoral	2008
Rheological analysis of biomaterials used for the development of an artificial substitute of the corneal stroma	Tissue engineering part a	Capítulo de libro	2008
Shear and squeeze rheometry of suspensions of magnetic polymerized chains	Rheologica acta	Artículo	2008
Síntesis y caracterización de nanopartículas constituidas por núcleo magnético y recubrimiento	Universidad de granada. farmacia y	Tesis	2008

polimerico	tecnologia farmaceutica	doctoral	
Stability and flow behavior of a magnetorheological lubricant in a magnetic shock absorber	Tribology transactions	Articulo	2008
Study of carbonyl iron/poly(butylcyanoacrylate) (core/shell) particles as anticancer drug delivery systems. loading and release properties	European journal of pharmaceutical sciences	Articulo	2008
Study of the magnetorheological response of aqueous magnetite suspensions stabilized by acrylic acid polymers	Journal of colloid and interface science	Articulo	2008
Surface characterization of clay particles via dielectric spectroscopy	Annales universitatis mariae curie-skłodowska. sectio aa. chemia	Articulo	2008
Stability and flow behaviour of a magnetorheological lubricant in a magnetic shock absorber	Tribology transactions	Articulo	2008
Tegafur loading and release properties of magnetite/poly(alkylcyanoacrylate) (core/shell) nanoparticles	Journal of controlled release	Articulo	2008
An experimental method for the measurement of the stability of concentrated magnetic fluids	Journal of colloid and interface science	Articulo	2007
Development of carbonyl iron/ethylcellulose core/shell nanoparticles for biomedical applications	International journal of pharmaceutics	Articulo	2007
Effect of stagnant-layer conductivity on the electric permittivity of concentrated colloidal suspensions	Journal of chemical physics	Articulo	2007
Electroacoustic characterization of bidisperse suspensions	Croatica chemica acta	Articulo	2007
Electrokinetics in extremely bimodal suspensions.	Journal of colloid and interface science	Articulo	2007
Electrokinetics of concentrated colloidal dispersions	Molecular and colloidal electro-optics	Capítulo de libro	2007
Estudio de partículas coloidales constituidas por un núcleo magnético y un recubrimiento polimérico biodegradable como sistemas de liberación modificada de antineoplásicos	Universidad de granada. farmacia y tecnología farmaceutica	Tesis doctoral	2007
Ftorafur loading and controlled release from poly(ethyl-2-cyanoacrylate) and poly(butylcyanoacrylate) nanospheres	International journal of pharmaceutics	Articulo	2007
Magnetic properties of extremely bimodal magnetite suspensions	Journal of magnetism and magnetic materials	Articulo	2007
Measurement and interpretation of electrokinetic phenomena	Journal of colloid and interface science	Articulo	2007
New magnetorheological fluids based on magnetic fibers	Journal of materials chemistry	Articulo	2007
Nonstationary electro-osmotic flow in closed cylindrical capillaries. theory and experiment	Journal of colloid and interface science	Articulo	2007
Recent advances in the stability and rheology of magnetic colloids	New colloid and surface science research	Capítulo de libro	2007
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Sobre el efecto de la forma y amplitud de los campos eléctricos en las propiedades	Xxxi reunión bienal de la real sociedad española de física. comunicaciones	Capítulo	2007

electrorreológicas de suspensiones coloidales no conductoras	Comunicación de resultados científicos	de libro	2007
Stability of concentrated aqueous clay-magnetite suspensions	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2007
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Surface conductivity of colloidal particles: experimental assessment of its contributions	Journal of colloid and interface science	Articulo	2007
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Electroacoustic and dielectric dispersion of concentrated colloidal suspensions	IEEE transactions on dielectrics and electrical insulation	Articulo	2006
Fluidos magnetorreológicos en medio acuoso	Universidad de granada. física aplicada	Tesis doctoral	2006
Influence of heavy metals adsorption on the surface-energy properties of fluorinated montmorillonite clays rassoul	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2006
Ionic transport across bipolar membrane and adjacent nernst layers	Journal of membrane science	Articulo	2006
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Sedimentation and redispersion phenomena in iron-based magnetorheological fluids	Journal of rheology	Articulo	2006
Structural explanation of the rheology of a colloidal suspension under high dc electric fields	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2006
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Anomalous field-induced particle orientation in dilute mixtures of charged rod-like and spherical colloids	Nature physics	Articulo	2005
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Conductivity of a concentrated colloidal suspension of spherical particles in an alternating electric field	Annales universitatis mariae curie-skłodowska sectio eee horticultura	Articulo	2005
Determination of stagnant layer conductivity in polystyrene suspensions: temperature effects	Journal of colloid and interface science	Articulo	2005
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Electrokinetic phenomena in suspensions	Finely dispersed particles: micro-, nano, and atto-engineering	Capítulo de libro	2005
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Influence of cell-model boundary conditions on the conductivity and electrophoretic mobility of concentrated suspensions	Advances in colloid and interface science	Articulo	2005
Loading of 5-fluorouracil to poly(ethyl-2-cyanoacrylate) nanoparticles with a magnetic core	Journal of biomedical nanotechnology	Articulo	2005
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Preparation and sedimentation behavior in magnetic fields of magnetite-covered clay particles	Langmuir	Articulo	2005
Preparation of stable magnetorheological fluids based on extremely bimodal iron-magnetite suspensions	Journal of materials research	Articulo	2005
Propiedades reológicas y dieléctricas de fluidos electrorreológicos	Universidad de granada. física aplicada	Tesis doctoral	2005
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Electrophoretic properties of acrylic latex suspensions (kollicoat(r)mae 30 d) and ibuprofen	Il farmaco	Artículo	2004
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Shear flow behavior of confined magnetorheological fluids at low magnetic field strengths	Rheologica acta	Artículo	2004
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Effect of latex and plasticizer concentration on glucocorticoid release from ointments	Die pharmazeutische industrie	Artículo	2003
Electrokinetic study of omeprazole drug in aqueous suspensions	Colloids and surfaces. a, physicochemical and engineering aspects	Artículo	2003
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Stability of dispersions of colloidal hematite/yttrium oxide core-shell particles	Journal of colloid and interface science	Articulo	2002
Suspensions in an alternating external electric field: dielectric and electrorotation spectroscopies	Interfacial electrokinetics and electrophoresis	Capítulo de libro	2002
Concentration polarization and specific selectivity of membranes in pulse mode	Colloid journal of the russian academy of sciences	Articulo	2001
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Suspension formulation	Pharmaceutical emulsions and suspensions	Capítulo de libro	2000
The electroviscous effect in ethylcellulose latex suspensions. effect of ionic strength and correlation between theory and experiments	Colloid and polymer science	Articulo	2000
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Deposition of colloidal zinc sulfide on glass substrate	Journal of colloid and interface science	Articulo	1999

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Propiedades reologicas de suspensiones coloidales, influencia de la doble capa electrica	Universidad de granada. física aplicada	Tesis doctoral	1999
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Thin double-layer approximation and exact standard prediction for the dielectric response of a colloidal suspension	Journal of colloid and interface science	Articulo	1995
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Correlation of the dielectric and conductivity properties of polystyrene suspensions with zeta potential and electrolyte concentration	Journal of colloid and interface science	Articulo	1994
Dielectric-relaxation in polystyrene suspensions - effect of ionic-strength	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	1994
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Sintesis y caracterizacion de particulas coloidales esfericas de sulfuro de zinc	Universidad de granada. física aplicada	Tesis doctoral	1994
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Experiencias en espectroscopía	Naturalia baetica	Articulo	1992
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Electrophoretic study of nitrofurantoin in aqueous suspensions. effect of the addition of a polymeric thickener	Journal of pharmacy and pharmacology	Articulo	1990
Estudio sobre propiedades electroquímicas de suspensiones acuosas de fosfomicina.	Anales de la real academia de farmacia	Articulo	1990
Electrokinetics of cholesterol in the presence of bile salt and bile salt, lecithin mixtures	Journal of colloid and interface science	Articulo	1990
The effect of previous convective flux on the non-stationary diffusion through membranes. network	Journal of membrane science	Articulo	1990

simulation			
The effect of previous convective flux on the nonstationary diffusion through membranes. network simulation	Journal of membrane science	Articulo	1990
A network thermodynamic model for transient effects in electrokinetic energy conversion	Collection of czechoslovak chemical communications	Articulo	1989
A study of the primary electroviscous effect in pyrex glass suspensions	Journal of dispersion science and technology	Articulo	1989
A network thermodynamic model for transient effects in electrokinetic energy conversion	Collection of czechoslovak chemical communications	Articulo	1989
Adsorption-desorption in celestite (s04sr) flotation with a cationic-type collector	Colloids and surfaces	Articulo	1989
Application of network thermodynamics to the computer modelling of nonstationary diffusion through heterogeneous membranes	Journal of membrane science	Articulo	1989
Electrokinetic and stability properties of cholesterol in aqueous nacl and nacl+bile salt solutions	Progress in colloid and polymer science	Articulo	1989
Electrokinetic detection of the phase transition of anhydrous cholesterol around human body temperature	Journal of colloid and interface science	Articulo	1989
Flotation properties of celestite in aqueous solutions of ionic surfactants	International journal of mineral processing	Articulo	1989
Modelo en red y simulación mediante spice de procesos de difusión- convección en membranas	Anales de física	Articulo	1989
Potencial zeta y flotación de celestina en disoluciones de oleato sódico	Afinidad: revista de química teórica y aplicada	Articulo	1989
Propiedades eléctricas de la interfase fosfomicina/disolución acuosa. comparación entre dos formas farmacéuticas	Anales de la real academia de farmacia	Articulo	1989
Simulation of concentration polarization in electrokinetic processes by network thermodynamic methods	Biophysical journal	Articulo	1989
Surface free energy of celestite and its flotation activity	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	1989
The effect of ph on the electrical properties of the cholesterol/water interface. i. zeta potential	Journal of colloid and interface science	Articulo	1989
The effect of ph on the electrical properties of the cholesterol/water interface. i. ζ potential	Journal of colloid and interface science	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
Estudio mediante termodinámica de redes de la influencia de los parámetros de transporte en la difusión no-estacionaria a través de membranas	Anales de física	Articulo	1988
Fenómenos eléctricos en la interfase sólido/líquido. aplicación al sistema colesterol/disolución acuosa de componentes biliares	Universidad de granada. física aplicada	Tesis doctoral	1988
Mecánica de las fuentes sísmicas. estudio espectral de fases corticales de terremotos norte-africanos	Universidad de granada. física aplicada	Tesis doctoral	1988
On the bulk and surface electric conductivity in montmorillonite suspensions	materials chemistry and physics	Articulo	1988

On the simulation of nonstationary diffusion through homogeneous membranes using network thermodynamics	Zeitschrift fuer physikalische chemie	Articulo	1988
On the interactions at interfaces in fluorite flotation	International journal of mineral processing	Articulo	1988
Sobre el papel de un gel mixto de mucopolisacáridos (hialuronato/condroitin sulfato) en la resistencia 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
The uptake of a reactive dye by bleached cotton and its effect on the electrical properties of the interface: ii. kinetics and thermodynamics	Journal of colloid and interface science	Articulo	1988
A device for the automatic determination of surface tension of surfactant solutions	Journal of physics. e, scientific instruments	Articulo	1987
Estudio sobre las propiedades electroforéticas y de estabilidad en suspensiones de nitrofurantoina	Universidad de granada. física aplicada	Tesis doctoral	1987
The effect of temperature and alcohol concentration on the viscosity of mixture (n-, sec-, tert-) butyl alcohol-aqueous solutions of n-dodecylammonium chloride	Journal of dispersion science and technology	Articulo	1987
The primary electroviscous effect in monodisperse polystyrene suspensions	Acta polymerica	Articulo	1987
The adsorption of tannic acid on hydrophilic cotton and its effect on the electrokinetic properties of this cellulose fibre in a cationic dye solution	Acta polymerica	Articulo	1987
Modelos de procesos de transporte en membranas artificiales mediante termodinámica de redes. simulación.	Universidad de granada. física aplicada	Tesis doctoral	1986
On the zeta potential of spherical polystyrene particles from electrophoresis theories	Acta polymerica	Articulo	1986
On the electrophoretic mobility and zeta potential of montmorillonite in non-aqueous media	Colloid and polymer science	Articulo	1986
On the zeta potential and surface charge density of montmorillonite in aqueous electrolyte solutions	Journal of colloid and interface science	Articulo	1986
Propiedades electrocineticas y de absorcion de tensioactivos ionicos sobre celestina (srso sub 4) y su aplicacion a la flotacion	Universidad de granada. física aplicada	Tesis doctoral	1986
The adsorption of n-alkylammonium chlorides at the aqueous solution-air interface	Journal of colloid and interface science	Articulo	1986
The effect of tannic acid on the electrical properties of the interface and the non-linear streaming potential of cellulose in a cationic dye solution	Journal of the chemical society. faraday transactions	Articulo	1986
Electrophoretic behaviour of calcium oxalate monohydrate in liquid mixtures	Colloid and polymer science	Articulo	1985
Effect of sulphonate content of direct cotton dyes on the non-linear electrokinetic behaviour of cellulose plugs	Colloids and surfaces	Articulo	1985
Electrokinetic transport of aqueous solutions of electrolytes through fibrous systems. non-linear phenomenological relations	European polymer journal	Articulo	1985
Mass and charge fluxes in electrophoresis of dilute polystyrene suspensions	Journal of non-equilibrium thermodynamics	Articulo	1985
Estudio de las propiedades electroforéticas y de conductancia eléctrica de suspensiones de	Universidad de granada. física aplicada	Tesis doctoral	1984

montmorillonita y poliestireno monodisperso		Gustora	
On the concentration dependence of second order phenomenological coefficients of electrokinetic phenomena	Journal of non-equilibrium thermodynamics	Articulo	1984
On the use of generalized onsager coefficients in nonlinear electroosmotic phenomena	Journal of non-equilibrium thermodynamics	Articulo	1984
On the energy conversion in electrokinetic processes with multicomponent mixtures	Physics letters a	Articulo	1983
On the adsorption of sodium alkylsulfonates at the air-aqueous solution interface	Journal of colloid and interface science	Articulo	1983
On the electrokinetic energy conversion in liquid mixtures	Physics letters a	Articulo	1983
On the relation between the electrokinetic behavior of heterogeneous ion-exchange membranes and their structural characteristics	Journal of membrane science	Articulo	1983
Propiedades electrocinéticas de sustratos fibrosos. aplicación a los procesos de tintado de fibras celulósicas	Universidad de granada. física aplicada	Tesis doctoral	1983
Streaming potential and electrokinetic coefficients of cellulose/ aqueous electrolyte solution systems	Journal of non-equilibrium thermodynamics	Articulo	1983
The effect of packing density of cellulose plugs on streaming potential phenomena	Colloid and polymer science	Articulo	1983
Thermodynamic excess quantities in the adsorption of sodium alkylsulfonates at the air-solution interface	Colloid and polymer science	Articulo	1983
Concentration dependence of transport coefficients of binary and ternary mixtures through inactive membranes	Journal of non-equilibrium thermodynamics	Articulo	1982
Dependence of the electrokinetic coefficients on the composition of the binary liquid mixture	Physicochemical hydrodynamics	Articulo	1982
Flotation of fluorite with n-alkylammonium chlorides	International journal of mineral processing	Articulo	1982
On the geometric structure of color discrimination thresholds	Die farbe	Articulo	1982
Estudio sobre la adsorción de tensioactivos en las interfases fluorita-disolución y aire-disolución	Universidad de granada. física aplicada	Tesis doctoral	1981
Irreversible thermodynamics of transport processes through porous media composed of particles of different size	Journal of colloid and interface science	Articulo	1981
Non-equilibrium thermodynamics of streaming potentials and electroosmotic flows in weakly charged membranes with different structural conformations	Journal of non-equilibrium thermodynamics	Articulo	1981
Electroosmotic transport of liquid mixtures of ethanol-water and 2-propanol water through porous diaphragms	Journal of colloid and interface science	Articulo	1980
Meteorología del desarrollo de jaen: contaminación por partículas	Universidad de granada. física aplicada	Tesis doctoral	1980
Non-linear coefficients for electroosmotic transport of alcohols through porous diaphragms	Journal of non-equilibrium thermodynamics	Articulo	1980
On the adsorption of n-alkylammonium chlorides at fluorite/solution interface	International journal of mineral processing	Articulo	1980
Aplicación de la termodinámica del no-equilibrio al estudio de los fenómenos electrocinéticos en sistemas de diferente conformación	Universidad de granada. física aplicada	Tesis doctoral	1979
Determination of the electrokinetic coefficient 112			

Determination of the electrokinetic coefficient η/ζ from sedimentation potential measurements	Journal of non-equilibrium thermodynamics	Articulo	1979
Potencial de sedimentación del cuarzo en medio acuoso. determinación de coeficientes fenomenológicos	Anales de física	Articulo	1979
Estudio sobre las propiedades de interfase del sistema fluorita-disolución acuosa. aplicación a la flotación	Universidad de granada. física aplicada	Tesis doctoral	1977
Comportamiento electrocinético del cuarzo en disoluciones de electrolitos inorgánicos	Anales de física serie a fenómenos e interacciones	Articulo	1975
Dispositivo para medidas de potencial de sedimentación. determinación of zeta potential of pyrex glass	Anales de física serie a fenómenos e interacciones	Articulo	1975
Mecánica	Paraninfo	Libros	1975

	Titulo proyecto	Tipo	Inicio	Fin
1	Experimental and theoretical study of soft magnetic composites for industrial and bio-medical applications	Convenio	12/1/16	10/1/18
2	Nanoestructuras basadas en partículas no esféricas. síntesis y aplicaciones en el diagnóstico y tratamiento del cáncer	Proyecto	12/30/14	9/1/18
3	Propiedades electricas de la interfase solido/disolucion. modelos teoricos y aplicaciones a la obtencion de energia electrica por cambio de salinidad	Proyecto	12/1/14	12/31/17
4	Tejidos biologicos con propiedades mecanicas controlables mediante campos magneticos	Proyecto	12/1/14	12/31/17
5	Tejidos biológicos con propiedades mecánicas controlables mediante campos magnéticos	Proyecto	12/1/14	12/31/17
6	Nanopartículas fibrilares magnéticas para aplicaciones biomédicas avanzadas	Proyecto	12/1/15	12/31/15
7	Entrepreneuriat et valorisation de la recherche evarech	Proyecto	12/15/11	10/14/14
8	Estudio reológico y óptico de fenómenos de flujo en suspensiones magnéticas	Proyecto	12/1/12	12/31/13
9	Diseño de amortiguadores inteligentes para electrodomésticos basados en lubricantes magnetoviscosos	Proyecto	12/1/10	12/31/13
10	Fluidos magnéticos de nueva generación	Proyecto	12/31/09	12/30/13
11	Capmix. capacitive mixing as a novel principle for generation of clean renewable energy from salinity differences	Proyecto	12/1/10	9/30/13
12	Desarrollo de una nueva tecnología de regeneración autónoma de materiales	Contrato	12/27/10	1/31/13
13	Suspensiones de nanoparticulas funcionalizadas. aplicaciones biomédicas	Proyecto	12/13/09	1/13/13
14	Fluidos magneticos basados en liquidos ionicos	Proyecto	12/31/09	12/31/12
15	Measures d accompagnement des diplomes a l insertion professionnelle (madip)	Proyecto	12/15/09	1/14/12
16	Efecto de la criopreservación sobre las propiedades biomecánicas de sustitutos de corion de la mucosa oral generados mediante ingeniería tisular	Proyecto	12/22/11	12/31/11
17	Propiedades biomecánicas de tejidos biocompatibles generados mediante ingeniería tisular	Proyecto	12/1/11	12/21/11
18	Estancias investigador invitado.estancias excelencia de investigadores extranjeros en centros de investigación de andalucía.urals state university	Proyecto	12/1/10	7/31/10
19	Fluidos nanocompuestos con propiedades viscoelásticas controlables por campos eléctricos y magnéticos	Proyecto	12/1/06	7/31/09
20	Fluidos magnetorreologicos compuestos	Proyecto	12/31/05	12/31/08
21	Propiedades reologicas y dielectricas de fluidos electrorreologicos	Proyecto	12/31/05	12/31/08
22	Materiales magnetorreológicos para amortiguadores	Contrato	12/15/06	2/15/08
23	Fluidos magneticos coloidales para aplicaciones tecnologicas y biomedicas	Proyecto	12/13/04	12/13/07
24	Fluidos nanocompuestos con propiedades viscoelásticas controlables por campos eléctricos y magnéticos	Proyecto	12/1/06	7/31/07
25	Interfaces against pollution iap2006, international conference	Proyecto	12/1/06	12/31/06
26	Formulación de fluidos de base oleosa con propiedades reologicas controlables por campos magnéticos, para su aplicación en amortiguadores de automoción	Contrato	12/15/05	2/15/06
27	Lubricantes con propiedades reológicas controlable por campos magnéticos	Contrato	12/1/05	1/31/06
28	Fisicoquimica de interfases y sistemas coloidales	Proyecto	12/1/05	12/31/05
29	Fluidos magnéticos coloidales para aplicaciones tecnológicas y biomédicas	Proyecto	12/1/04	12/30/05
30	Fluidos magneticos coloidales para aplicaciones tecnologicas y biomedicas	Proyecto	12/13/04	12/13/05
31	Fluidos magnéticos coloidales para aplicaciones tecnológicas y biomédicas	Proyecto	12/13/04	12/13/05
32	Measurement and interpretation of electrokinetic phenomena	Proyecto	12/1/01	10/17/05
33	Formulación de fluidos de base oleosa con propiedades reologicas controlables por campos magnéticos, para su aplicación en amortiguadores de automoción	Contrato	12/15/03	2/14/05
34	Técnicas de caracterización eléctrica energética superficial yreológica de partículas coloidales de interés tecnológico y biomédico	Proyecto	12/1/04	12/31/04

35	Fluidos de viscosidad controlable por campos magnéticos y eléctricos. estudio de sus propiedades viscoelásticas	Proyecto	12/28/01	12/27/04
36	Interaction at macroscopic solid surfaces	Proyecto	12/18/98	11/17/04
37	Análisis por rayos x y microscopia electrónica de diversas muestras de materiales inorgánicos enviados por la fundación leia, c.d.t.	Contrato	12/20/01	6/20/02
38	Síntesis y caracterización de portadores magnéticos coloidales. aplicaciones al diseño de sistemas de liberación de fármacos	Proyecto	12/1/98	12/31/01
39	Síntesis y caracterización de portadores magnéticos coloidales. aplicaciones al diseño de sistemas de liberación de fármacos	Proyecto	12/1/98	9/30/01
40	Síntesis y caracterización de portadores magnéticos coloidales. aplicaciones al diseño de sistemas de liberación de fármacos	Proyecto	12/1/98	9/30/01
41	Water treatment and slurry dewatering technologies: colloid chemical aspects	Proyecto	12/1/97	5/1/00
42	Síntesis y caracterización de las propiedades superficiales de precursores cerámicos de forma y tamaño controlados	Proyecto	12/2/95	12/31/98
43	Uso de una nueva técnica electrocinética para caracterización de partículas coloidales anisotrópicas	Proyecto	12/1/97	12/1/98
44	Síntesis y caracterización de las propiedades superficiales de precursores cerámicos de forma y tamaño controlados	Proyecto	12/1/95	3/1/98
45	Preparación de precursores cerámicos de tamaño coloidal. caracterización de sus propiedades eléctricas y de estabilidad	Proyecto	12/1/93	12/31/96
46	Structure and dynamics of electrified surface layers in (bio)colloid systems	Proyecto	12/1/95	3/31/96
47	Preparación y caracterización de partículas coloidales uniformes de interés tecnológico. estudio de su estabilidad como modelos coloidales	Proyecto	12/1/89	12/31/91
48	Caracterización termodinámica de propiedades interfaciales. aplicación al estudio de las condiciones de estabilidad y agregación en suspensiones de componentes biológicos y minerales	Proyecto	12/1/88	8/1/91
49	Susceptibilidad electro-óptica negativa de polielectrolitos	Proyecto	12/31/03	
50	Materiales coloidales compuestos	Proyecto	6/30/03	

Actividades 10

Titulo actividad	Entidad	Tipo	Fecha
Participación en: fellow member, international union of pure and applied chemistry (iupac)		Comité científico en sociedad ci	Oct 15, 2005
Participación en: task group (chairman) "measurement and interpretation of electrokinetic phenomena (miep) (iupac int. union of pure and applied chemistry)	lupac int. union of pure and applied chemistry	Comité científico en sociedad ci	Sep 1, 2001
Participación en: electrokinetic phenomena (ekp), member of int. advisory board (iacis int. assoc. colloid and interface sci.)	iacis int. assoc. colloid and interface sci.	Comité científico en sociedad ci	Apr 1, 1993
Participación en: international association of colloid and interface scientists (iacis), member	iacis	Comité científico en sociedad ci	Sep 1, 1998
Participación en: international union of pure and applied chemistry (iupac), associate member, titular member ()		Comité científico en sociedad ci	Jan 1, 1998
Participación en comité de revista: journal of colloid and interface science		Comités científicos de revista	Jan 1, 1997
Polyactiva and monash university		Colaboración con centros i+d	Jun 1, 2015
European commission reviewer (external expert)	European commission	Comité científico en sociedad ci	Jan 27, 2015
Real sociedad de química española	Real sociedad de química española	Comité científico en sociedad ci	Dec 11, 2013
Sociedad ibérica de biomecánica y biomateriales	Sociedad ibérica de biomecánica y biomateriales (sibb)	Comité científico en sociedad ci	Oct 2, 2012

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- **GUILLERMO RAMÓN IGLESIAS SALTO** (69)
- **LAURA RODRIGUEZ ARCO** (48)
- **JULIÁN LÓPEZ-VIOTA GALLARDO** (38)
- **SILVIA ALEJANDRA AHUALLI YAPUR** (38)
- **JUAN DE VICENTE ALVAREZ-MANZANEDA** (33)
- **JOSE LUIS ARIAS MEDIANO** (29)
- **María del Mar Fernández Martínez-Rey** (29)
- **RAÚL ALBERTO RICA ALARCÓN** (28)
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- **VICTOR SEBASTIAN CARRIEL ARAYA** (14)
- **MIGUEL ALAMINOS MINGORANCE** (13)

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- MARGARITA LOPEZ-VIOTA GALLARDO (8)
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