

ARTUR SCHMITT

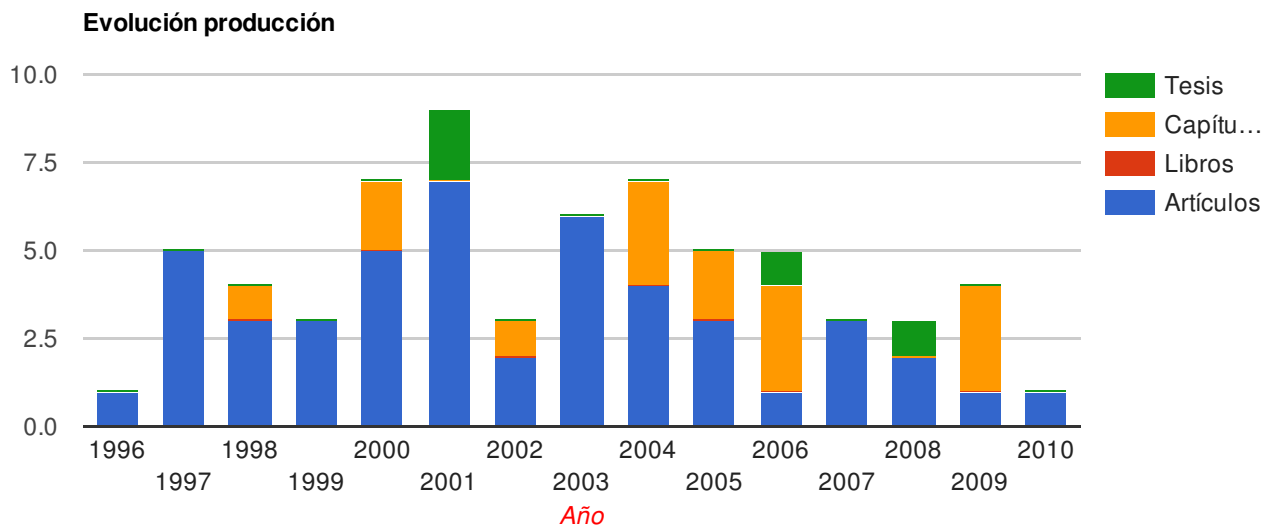
Grupo de Investigación: FÍSICA DE FLUIDOS Y BIOCOLOIDES (Cod.: FQM115)
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Ficha del Directorio

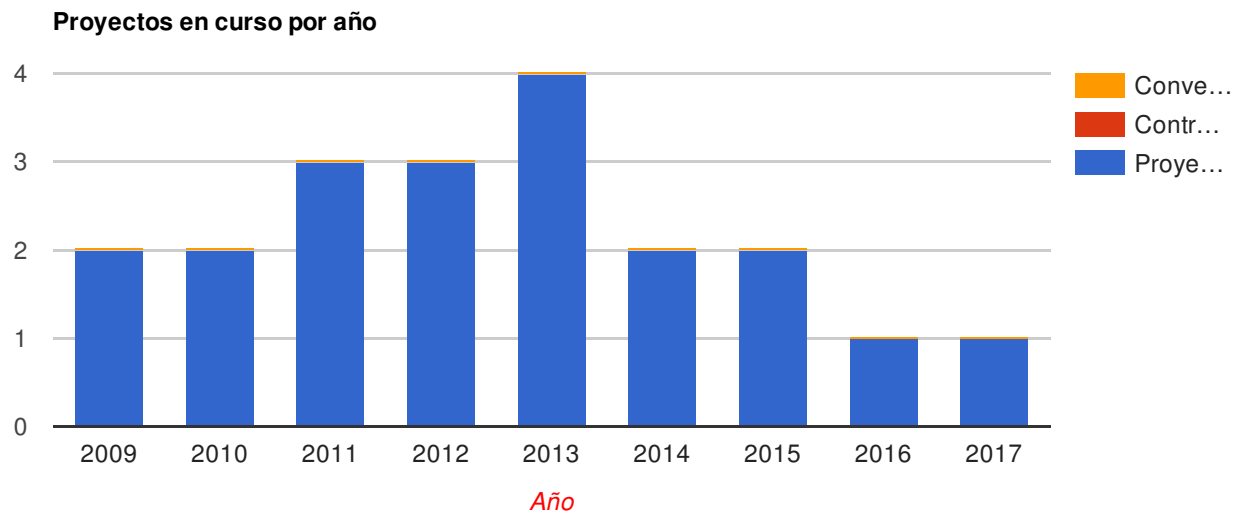
Producción 66

Artículos (47) Libros (0) Capítulos de Libros (15) Tesis dirigidas (4)



Proyectos dirigidos 4

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



Actividades 2

Titulo publicación	Fuente	Tipo	Fecha
Multiple time scales and cluster formation mechanisms in charge-heteroaggregation processes	Soft matter	Articulo	2010
Fractal structures and aggregation kinetics of protein-functionalized colloidal particles	Structure and functional properties of colloidal systems	Capítulo de libro	2009
Plan de acción tutorial de la etsiit	Tutoría y atención personal al estudiante en la universidad	Capítulo de libro	2009
Primary and secondary bonds in field induced aggregation of electric double layered magnetic particles	Langmuir	Articulo	2009
Structure and stability of filaments made up of micro-sized magnetic particles.	Structure and functional properties of colloidal systems	Capítulo de libro	2009
Aggregation of superparamagnetic colloidal particles induced by a constant field:kinetics and morphology	Universidad de granada. física aplicada	Tesis doctoral	2008
Controlling the magnetic filaments length by tuning the particle interactions	Journal of colloid and interface science	Articulo	2008
Kinetic study of coupled field-induced aggregation and sedimentation processes arising in magnetic fluids	Physical review e: covering statistical, nonlinear, biological, and soft matter physics	Articulo	2008
Aggregation kinetics of latex microspheres in alcohol-water media	Journal of colloid and interface science	Articulo	2007
Formation of magnetic filaments: a kinetic study	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2007
Structure and stability of aggregates formed by electrical double-layered magnetic particles	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2007
Agregación coloidal: efecto de la heterogeneidad en carga	Perspectiva de la investigación sobre materiales en españa en el siglo xxi	Capítulo de libro	2006
Electrostatic heteroaggregation processes arising in two-component colloidal dispersions	Universidad de granada. física aplicada	Tesis doctoral	2006
Estudio mediante dispersión de luz de la estructura y la longitud de agregados lineales permanentes de partículas magnéticas	Perspectiva de la investigación sobre materiales en españa en el siglo xxi	Capítulo de libro	2006
Forming chainlike filaments of magnetic colloids: the role of the relative strength of isotropic and anisotropic particle interactions	Journal of chemical physics	Articulo	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
Aggregation of magnetic polystyrene particles: a light scattering study	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2005
Agregación coloidal: aspectos cinéticos	Coloides e interfases	Capítulo de libro	2005
Estructura y crecimiento de agregados magnéticos estudiados mediante dispersión de luz	Coloides e interfases	Capítulo de libro	2005
Formation and structure of stable aggregates in binary diffusion-limited cluster-cluster aggregation processes	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2005
Structural coefﬁcients in aggregates of protein-coated colloidal particles	Colloids and surfaces. a, physicochemical and engineering aspects	Articulo	2005
Cluster discrimination in electrostatic heteroaggregation processes	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2004

Colloidal aggregation processes	Encyclopedia of surface and colloid science	Capítulo de libro	2004
Coupled aggregation and sedimentation processes: stochastic mean field theory	Physica a. statistical mechanics and its applications	Artículo	2004
Improved sample handling and data acquisition for single cluster light scattering	Advances in population balance modeling	Capítulo de libro	2004
Irreversible versus reversible aggregation: mean field theory and experiments	Journal of chemical physics	Artículo	2004
Recent advances in the probabilistic description of reversible and irreversible aggregation processes	Advances in population balance modeling	Capítulo de libro	2004
Time-resolved measurements of the cluster-size distributions arising in charge-heteroaggregation processes	Progress in colloid and polymer science	Artículo	2004
Aggregation of protein-coated colloidal particles: interaction energy, cluster morphology, and aggregation kinetics	Journal of chemical physics	Artículo	2003
Clustering under short-range finite interactions	Physical review. e, statistical, nonlinear, and soft matter physics	Artículo	2003
Coupled aggregation and sedimentation processes: the sticking probability effect	Physical review. e, statistical, nonlinear, and soft matter physics	Artículo	2003
Modeling the aggregation of partially covered particles: theory and simulation	Physical review. e, statistical, nonlinear, and soft matter physics	Artículo	2003
Simulated reversible aggregation processes for different interparticle potentials: the cluster aging phenomenon	The journal of physical chemistry b	Artículo	2003
The aggregation behaviour of protein-coated particles: a light scattering study	European biophysics journal	Artículo	2003
Constant bond breakup probability model for reversible aggregation processes	Physical review. e, statistical, nonlinear, and soft matter physics	Artículo	2002
Coupled aggregation and sedimentation processes: three-dimensional off-lattice simulations	European physical journal e. soft matter	Artículo	2002
Photon spectroscopy of colloids	Encyclopedia of surface and colloid science	Capítulo de libro	2002
A light scattering study of the transition region between diffusion- and reaction-limited cluster aggregation	Journal of colloid and interface science	Artículo	2001
A probabilistic aggregation kernel for the computer-simulated transition from dlca to rlca	Europhysics letters	Artículo	2001
A single-cluster light scattering study of fast-aggregating protein-coated polymer colloids	Progress in colloid and polymer science	Artículo	2001
Agregación de sistemas coloidales modificados superficialmente	Universidad de granada. física aplicada	Tesis doctoral	2001
Agregación reversible de sistemas coloidales en medios binarios	Universidad de granada. física aplicada	Tesis doctoral	2001
Agregación coloidal en presencia de albúmina de suero bobino: influencia del grado de recubrimiento	Boletín de la sociedad española de cerámica y vidrio	Artículo	2001
Influence of surface characteristics on fast-aggregating protein-coated polymer colloids	Progress in colloid and polymer science	Artículo	2001
The dlca-rlca transition arising in 2d-aggregation: simulations and mean field theory	European physical journal e. soft matter	Artículo	2001
The kinetics of irreversible aggregation processes	Progress in colloid and polymer science	Artículo	2001
Agregación de nanopartículas de poliestireno estabilizadas electroestéricamente	Coloides e interfases, estado líquido : almería, 2000	Capítulo de libro	2000
Dynamic scaling and fractal structure of small colloidal clusters	Colloids and surfaces. a, physicochemical and engineering aspects	Artículo	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 agregacion controlados por macromoléculas	Coloides e interfases, estado líquido : almería, 2000	Capítulo de libro	2000
Multiple contact kernel for diffusionlike aggregation	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2000
Test of the physical interpretation of the structural coefficient for colloidal clusters	Langmuir	Articulo	2000
Colloidal clusters with finite binding energies: fractal structure and growth mechanism	Langmuir	Articulo	1999
Dynamic scaling concepts applied to numerical solutions of smoluchowski's rate equation	Journal of chemical physics	Articulo	1999
Forces acting on particle-enhanced immunoassays	Journal of biomaterials science. polymer ed	Articulo	1999
Cómo iluminar lo invisible y ver algo: estructura fractal coloidal	Coloides e interfases	Capítulo de libro	1998
Experimental evidence of rearrangement in fractal clusters	Progress in colloid and polymer science	Articulo	1998
Measuring the fractal dimension of colloidal aggregates	Anales de física	Articulo	1998
On the identification of bridging flocculation: and extended collision efficiency model	Progress in colloid and polymer science	Articulo	1998
Experimental evidence regarding the influence of surface charge on the bridging flocculation mechanism	Progress in colloid and polymer science	Articulo	1997
Experimental study of fractal aggregation by static and dynamic light scattering	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
Cluster-size distribution in colloidal aggregation monitored by single-cluster light scattering	Physica a. statistical mechanics and its applications	Articulo	1996

	Título proyecto	Tipo	Inicio	Fin
1	Erasmus mundus - al idrisi ii: a scholarship scheme for exchange and cooperation between europe and north africa	Proyecto	7/15/13	7/14/17
2	Erasmus mundus - al idrisi: a scholarship scheme for exchange and cooperation between europe and the maghreb	Proyecto	7/15/11	7/14/15
3	Erasmus mundus external cooperation window for lot 17 (brazil, paraguay and uruguay): monesia - mobility network europe-southamerica: an institutional approach	Proyecto	7/15/09	7/14/13
4	Erasmus mundus external cooperation window lot 19b: ánimo, ¡chévere! academic network for international mobility: cuba, chile, ecuador, venezuela and europe reaching for excellence	Proyecto	12/1/09	6/30/13

Actividades 2

Título actividad	Fuente	Tipo	Fecha
Grupo especializado de coloides e interfases	Real sociedad española de física	Comité científico en sociedad ci	Jun 14, 2000
Participación en: deutsche physikalische gesellschaft ()	Deutsche physikalische gesellschaft	Comité científico en sociedad ci	Jan 8, 1991

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