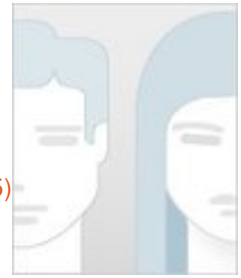


PABLO IGNACIO HURTADO FERNANDEZ



Grupo de Investigación: FÍSICA ESTADÍSTICA Y DE LOS SISTEMAS COMPLEJOS (Cod.: FQM165)

Departamento: Universidad de Granada. Electromagnetismo y Física de la Materia

Citas en Google Scholar: <https://scholar.google.es/citations?user=9vYs8AIAAAAJ&hl=es>

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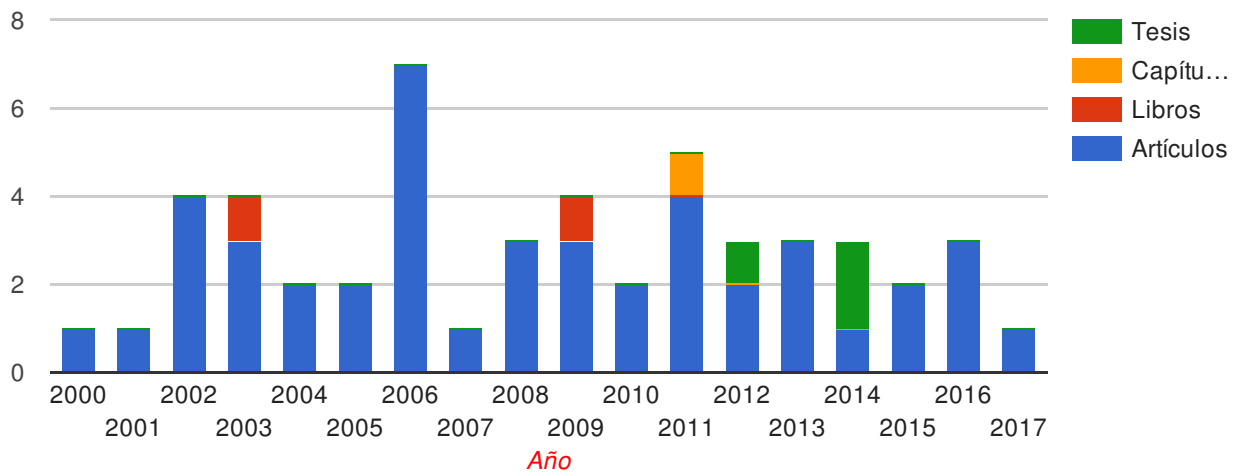
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Ficha del Directorio

Producción 51

Artículos (45) Libros (2) Capítulos de Libros (1) Tesis dirigidas (3)

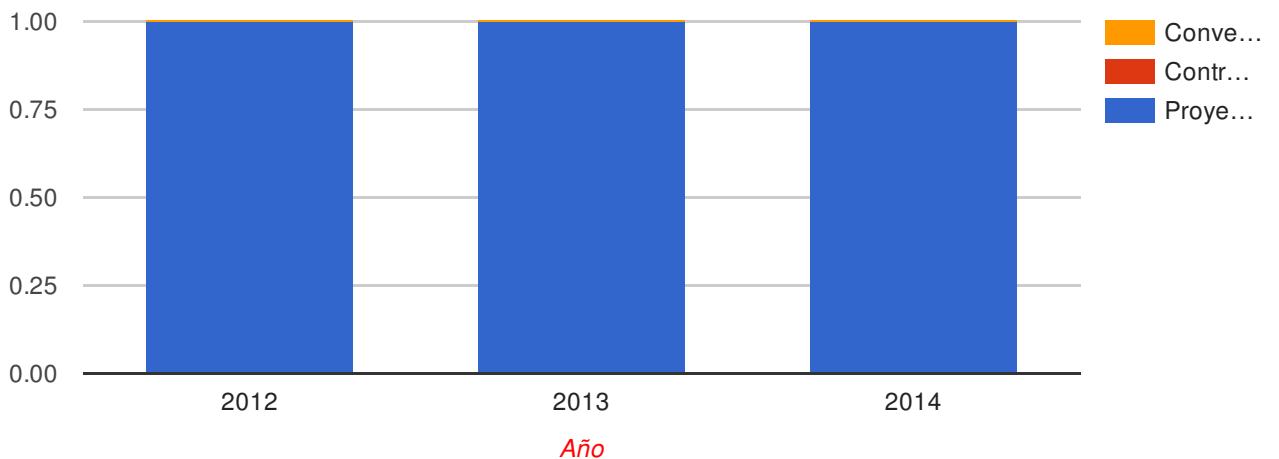
Evolución producción



Proyectos dirigidos 1

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

Proyectos en curso por año



Actividades 13

Titulo publicación	Fuente	Tipo	Fecha
Structure of the optimal path to a fluctuation	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2017
Statistics of the dissipated energy in driven diffusive systems	European physical journal e. soft matter	Articulo	2016
Violation of universality in anomalous fourier's law	Scientific reports	Articulo	2016
Weak additivity principle for current statistics in d dimensions	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2016
Probing local equilibrium in nonequilibrium fluids	Physical review e: covering statistical, nonlinear, biological, and soft matter physics	Articulo	2015
Scaling laws and bulk-boundary decoupling in heat flow	Physical review e: covering statistical, nonlinear, biological, and soft matter physics	Articulo	2015
Algunas propiedades de los estados estacionarios de sistemas disipativos sencillos.	Universidad de granada	Tesis doctoral	2014
Fenómenos de no-equilibrio en un sistema de discos rígidos		Tesis doctoral	2014
Symmetry and the thermodynamics of currents in open quantum systems	Physical review b: covering condensed matter and materials physics	Articulo	2014
Dynamical phase transition for current statistics in a simple driven diffusive system	Physical review e	Articulo	2013
Thermodynamics of currents in nonequilibrium diffusive systems: theory and simulation	Journal of statistical physics	Articulo	2013
Typical and rare in nonlinear driven diffusive systems with dissipation	Physical review e: covering statistical, nonlinear, biological, and soft matter physics	Articulo	2013
Compact waves in microscopic nonlinear diffusion	Physical review e	Articulo	2012
Fluctuaciones fuera del equilibrio en sistemas difusivos		Tesis doctoral	2012
Nonlinear driven diffusive systems with dissipation: fluctuating hydrodynamics	Physical review e: covering statistical, nonlinear, biological, and soft matter physics	Articulo	2012
Fluctuations of the dissipated energy in a granular system	Non-equilibrium statistical physics. aip conference proceedings	Capítulo de libro	2011
Large deviations of the current in a two-dimensional diffusive system	Aip conference proceedings	Articulo	2011
Large fluctuations in driven dissipative media	Physical review letters	Articulo	2011
Symmetries in fluctuations far from equilibrium	Proceedings of the national academy of sciences of the united states of america	Articulo	2011
Spontaneous symmetry breaking at the fluctuating level	Physical review letters	Articulo	2011
Large fluctuations of the macroscopic current in diffusive systems: a numerical test of the additivity principle	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2010
When glass and gel meet: a mechanism for multistep relaxation	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2010
Current fluctuations and statistics during a large deviation event in an exactly solvable transport model	Journal of statistical mechanics: theory and experiment	Articulo	2009
Modeling and simulation of new materials: x granada seminar on computational and statistical physics	American institute of physics	Libros	2009
Static and dynamic properties a reversible gel	Aip conference proceedings	Articulo	2009

Test of the additivity principle for current fluctuations in a model of heat conduction	Physical review letters	Articulo	2009
Demagnetization via nucleation of the nonequilibrium metastable phase in a model of disorder	Journal of statistical physics	Articulo	2008
Network synchronization: optimal and pessimal scale-free topologies	Journal of physics a: mathematical and theoretical	Articulo	2008
Redes optimas: grafos de ramanujan, jaulas y redes enmarañadas	Revista española de física	Articulo	2008
Heterogeneous diffusion in a reversible gel	Physical review letters	Articulo	2007
Breakdown of hydrodynamics in a simple one-dimensional fluid	Physical review letters	Articulo	2006
Metastability, nucleation and noise-enhanced stabilization out of equilibrium	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2006
Simplest piston problem. i. elastic collisions	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2006
Stochastic resonance and scale invariance in nonequilibrium metastable states	European physical journal b. condensed matter and complex systems	Articulo	2006
Synchronization in network structures: entangled topology as optimal architecture for network design	Lecture notes in computer science	Articulo	2006
The simplest piston problem ii: inelastic collisions	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2006
Understanding scale invariance in a minimal model of complex relaxation phenomena	Journal of statistical mechanics: theory and experiment	Articulo	2006
Entangled networks, synchronization, and optimal network topology	Physical review letters	Articulo	2005
Strong shock waves and nonequilibrium response in a one-dimensional gas: a boltzmann equation approach	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2005
Analysis of the interface in a nonequilibrium two-temperature ising model	Physical review. b, condensed matter	Articulo	2004
Reentrant behavior of the spinodal curve in a nonequilibrium ferromagnet	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2004
Coarsening under anisotropic conditions in a lattice gas model	Aip conference proceedings	Articulo	2003
Kinetics of phase separation in the driven lattice gas: self-similar pattern growth under anisotropic nonequilibrium conditions	Physical review. b, condensed matter	Articulo	2003
Metastability and avalanches in a nonequilibrium ferromagnetic system	Aip conference proceedings	Articulo	2003
Some aspects on dynamics of nonequilibrium systems: metastability, avalanches, phase separation, absorbing states and heat conduction	Cornell university electronic arxiv	Libros	2003
Comment(2) on "simple one-dimensional model of heat conduction which obeys fourier law"	Physical review letters	Articulo	2002
Comment (1) on simple one-dimensional model of heat conduction which obeys fourier's law	Physical review letters	Articulo	2002
Growth and scaling in anisotropic spinodal decomposition	Europhysics letters	Articulo	2002
Modeling nonequilibrium phase transitions and critical behavior in complex systems	Computer physics communications	Articulo	2002
Simple one-dimensional model of heat conduction which obeys fourier's law	Physical review letters	Articulo	2001
Systems with superabsorbing states	Physical review. e, statistical, nonlinear, and soft matter physics	Articulo	2000

	Título proyecto	Tipo	Inicio	Fin
1	Nfliquid - dynamics and structure in a network-forming liquid	Proyecto	3/26/12	3/25/14

Actividades 13

Título actividad	Fuente	Tipo	Fecha
Participación en: american physical society ()		Comité científico en sociedad ci	Mar 15, 2005
Xxi congreso de física estadística (fises17)		Foros y comités internacionales	Mar 30, 2017
li jornadas de investigadores en formación: fomentando la interdisciplinariedad (jiffi)		Foros y comités internacionales	May 17, 2017
Research foundation flanders ¿ fwo (http://www.fwo.be)		Experiencia en evaluación	Jan 3, 2011
Agencia nacional de promoción científica y tecnológica, ministerio de ciencia, tecnología e innovación productiva (argentina)		Experiencia en evaluación	Oct 24, 2014
Participación en: instituto carlos i de física teórica y computacional (universidad de granada)	Universidad de granada	Comité científico en sociedad ci	Jan 1, 1999
Participación en comité de revista: journal of physics a: mathematical and theoretical		Comités científicos de revista	Mar 1, 2000
Participación en comité de revista: physica a		Comités científicos de revista	Jan 1, 2006
Participación en comité de revista: physical review letters		Comités científicos de revista	Dec 1, 1999
Participación en comité de revista: physical review b		Comités científicos de revista	Oct 1, 2000
Participación en comité de revista: european physical journal b		Comités científicos de revista	Jan 1, 2004
Participación en comité de revista: physics letters. section a: general, atomic and solid state physics		Comités científicos de revista	Jan 1, 2006
Participación en comité de revista: europysics letters		Comités científicos de revista	Jan 1, 2001

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