



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



CARMEN JOSEFA LUCIANA VAREA Y GILABERT

Datos Generales

Nombre: CARMEN JOSEFA LUCIANA VAREA Y GILABERT

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 43 años

Nombramientos

Último: INVESTIGADOR TITULAR C TC Definitivo
Instituto de Física
Desde 16-02-2014 hasta 30-04-2014

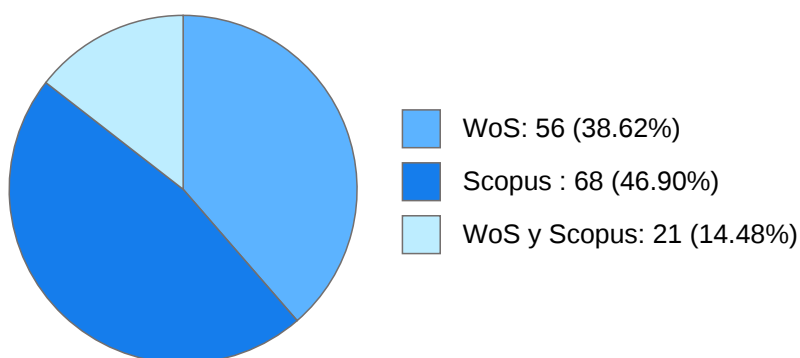
Estímulos, programas, premios y reconocimientos

SNI III 2023
SNI Emérito 2021 - 2022
SNI Emérito 2011 - 2019
SNI III - 2010
PRIDE D - 2014

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Phase-field modelling of the dynamics of Z-ring formation in liposomes: Onset of constriction and coarsening	RAFAEL ANGEL BARRIO PAREDES CARMEN JOSEFA LUCIANA VAREA Y GILABERT Picallo, C. B. et al.	EUROPEAN PHYSICAL JOURNAL E	2015
2	Curvature multiphase field model for phase separation on a membrane	CARMEN JOSEFA LUCIANA VAREA Y GILABERT RAFAEL ANGEL BARRIO PAREDES Hernandez-Machado, A.	PHYSICAL REVIEW E	2011
3	Flower Development as an Interplay between Dynamical Physical Fields and Genetic Networks	RAFAEL ANGEL BARRIO PAREDES CARMEN JOSEFA LUCIANA VAREA Y GILABERT JOSE ROBERTO ROMERO ARIAS et al.	PLOS ONE	2010
4	Dynamics of reaction-diffusion systems in a subdiffusive regime	DAMIAN HERNANDEZ HERRAN CARMEN JOSEFA LUCIANA VAREA Y GILABERT RAFAEL ANGEL BARRIO PAREDES	PHYSICAL REVIEW E	2009
5	Soliton behaviour in a bistable reaction diffusion model	CARMEN JOSEFA LUCIANA VAREA Y GILABERT RAFAEL ANGEL BARRIO PAREDES Hernández D.	JOURNAL OF MATHEMATICAL BIOLOGY	2007
6	Quasiwetting on spherical solid surfaces by oil-water-amphiphile mixtures	CONSUELO GARCIA ALCANTARA CARMEN JOSEFA LUCIANA VAREA Y GILABERT	PHYSICAL REVIEW E	2006

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7	Non-linear systems	RAFAEL ANGEL BARRIO PAREDES CARMEN JOSEFA LUCIANA VAREA Y GILABERT	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	2006
8	Wave-front dynamics in systems with directional anomalous diffusion	RAFAEL ANGEL BARRIO PAREDES CARMEN JOSEFA LUCIANA VAREA Y GILABERT Hernández D.	PHYSICAL REVIEW E	2006
9	Dynamics of growth in a three-component mixture with competing interactions	CARMEN JOSEFA LUCIANA VAREA Y GILABERT	PHYSICAL REVIEW E	2004
10	Travelling Turing patterns with anomalous diffusion	CARMEN JOSEFA LUCIANA VAREA Y GILABERT RAFAEL ANGEL BARRIO PAREDES	JOURNAL OF PHYSICS-COND ENSED MATTER	2004
11	Spinodal decomposition, power laws, and wetting at a triple point	CARMEN JOSEFA LUCIANA VAREA Y GILABERT	PHYS REV E	2003
12	Stability of curved amphiphilic interfaces	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	2002
13	Fluctuations and instabilities of model amphiphile interfaces	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	2001
14	Theory of interfacial bending constants	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	JOURNAL OF PHYSICS-COND ENSED MATTER	2001
15	Arrested phase separation and phase equilibrium properties of microemulsions	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	NUOVO CIMENTO D	1999
16	Turing patterns on a sphere	CARMEN JOSEFA LUCIANA VAREA Y GILABERT JOSE LUIS ARAGON VERA RAFAEL ANGEL BARRIO PAREDES	PHYS REV E	1999
17	Density fluctuations and correlations of confined fluids	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1999
18	A two-dimensional numerical study of spatial pattern formation in interacting Turing systems	RAFAEL ANGEL BARRIO PAREDES CARMEN JOSEFA LUCIANA VAREA Y GILABERT JOSE LUIS ARAGON VERA et al.	BULLETIN OF MATHEMATICAL BIOLOGY	1999

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19	Fluctuations and instabilities of curved interfaces	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1998
20	Enhanced amphiphile adsorption at liquid-liquid interfaces in a micellar solution model	CONSUELO GARCIA ALCANTARA CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1998
21	Robust symmetric patterns in the Faraday experiment	RAFAEL ANGEL BARRIO PAREDES JOSE LUIS ARAGON VERA CARMEN JOSEFA LUCIANA VAREA Y GILABERT et al.	PHYS REV E	1997
22	Interfacial and capillary properties of a micellar solution model	CARMEN JOSEFA LUCIANA VAREA Y GILABERT CONSUELO GARCIA ALCANTARA ALBERTO ROBLEDO NIETO	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1997
23	Interfacial width and shape fluctuations and extensions of the Gaussian model of capillary waves	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	JOURNAL OF STATISTICAL PHYSICS	1997
24	Spinodal decomposition under confinement	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO Campos-Terán J.	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1997
25	Hydrodynamic 5-fold diffusion-driven instabilities	RAFAEL ANGEL BARRIO PAREDES JOSE LUIS ARAGON VERA CARMEN JOSEFA LUCIANA VAREA Y GILABERT et al.	NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS	1997
26	Confined turing patterns in growing systems	CARMEN JOSEFA LUCIANA VAREA Y GILABERT JOSE LUIS ARAGON VERA RAFAEL ANGEL BARRIO PAREDES	PHYS REV E	1997
27	Can the Helfrich free energy for curved interfaces be derived from first principles?	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1996
28	Stress tensor of inhomogeneous fluids	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1996

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29	Langmuir films of mixtures of C70 and arachidic acid	CARMEN JOSEFA LUCIANA VAREA Y GILABERT Ramos S. Ruíz-García J. et al.	FLUID PHASE EQUILIBRIA	1995
30	Bending rigidities and spontaneous curvature for a spherical interface	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1995
31	Scaling properties of the capillary-wave model with interfacial bending rigidity	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	MOLECULAR PHYSICS	1995
32	Free energy expressions for a spherical interface	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	MOLECULAR PHYSICS	1995
33	Magnitude of the prewetting boundary tension near wetting for short-range forces	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYS REV E	1993
34	Stress tensor of curved interfaces	VICTOR MANUEL ROMERO ROCHIN CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	MOLECULAR PHYSICS	1993
35	Erratum: Microscopic expressions for interfacial bending constants and spontaneous curvature (Physical Review E (1993) 48,2)	VICTOR MANUEL ROMERO ROCHIN CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYS REV E	1993
36	Extended capillary-wave model for the liquid-vapor interface and its width in the limit of vanishing gravity	VICTOR MANUEL ROMERO ROCHIN CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1992
37	Evidence for the divergence of the line tension at the wetting transition	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICAL REVIEW A	1992
38	Statistical mechanics of the line tension	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1992
39	Wetting transition for the contact line and Antonovs rule for the line tension	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT Indekeu J.O.	PHYSICAL REVIEW A	1992
40	Density functional theory beyond the surface tension. Interfacial width, elastic bending constants and line tension	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT VICTOR MANUEL ROMERO ROCHIN	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	1991

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41	Asymmetric solubility loops and anomalous geometry at the lower critical point in a model micellar solution.	ALBERTO ROBLEDO NIETO GUSTAVO CARLOS MARTINEZ MEKLER CARMEN JOSEFA LUCIANA VAREA Y GILABERT	EPL	1991
42	Curvature interfacial transitions in amphiphile monolayers and their possible relation to the onset of micelle formation	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT Talanquer V.	PHYSICAL REVIEW A	1991
43	Microscopic expressions for interfacial bending constants and spontaneous curvature	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO Romero-Rochn V.	PHYSICAL REVIEW A	1991
44	The hard-sphere order-disorder transition in the bethe continuum	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	JOURNAL OF STATISTICAL PHYSICS	1991
45	Spin-hole model with magnetic vortex-antivortex pairing mechanism for cooper-oxide superconductors	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	PHYSICA C-SUPERCONDU CTIVITY AND ITS APPLICATIONS	1990
46	Global phase diagram for binary alloys with one magnetic component	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO Talanquer V.	PHYSICAL REVIEW B	1989
47	Sublattice-ordered phases in a lattice model for a micellar solution	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO Talanquer V.	PHYSICAL REVIEW B	1989
48	Sublattice-ordered phases of Griffiths's three-component model	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO Talanquer V.	PHYSICAL REVIEW B	1989
49	Magnetic vortex-antivortex pairing mechanism for doped La ₂ CuO ₄	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	PHYSICA C-SUPERCONDU CTIVITY AND ITS APPLICATIONS	1989
50	Possibility of continuous wetting transition at the liquid-vapour interface of the binary liquid mixture cyclohexane + acetonitrile	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO Trejo L.M. et al.	EPL	1988
51	High-T _c superconductivity at twin boundaries in a Landau-Ginzburg superconductor oxide model	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	PHYSICAL REVIEW B	1988
52	Simple model for liquid water	MARIA EUGENIA HERMINIA COSTAS BASIN CARMEN JOSEFA LUCIANA VAREA Y GILABERT Sánchez G.	JOURNAL OF CHEMICAL PHYSICS	1987
53	Square well orthobaric densities via spinodal decomposition	CARMEN JOSEFA LUCIANA VAREA Y GILABERT Chapela G.A. Martínez-Casas S.E.	JOURNAL OF CHEMICAL PHYSICS	1987

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54	Critical magnetization at antiphase boundaries of magnetic binary alloys	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICAL REVIEW B	1987
55	A Nonlocal Theory of Irreversible Thermodynamics I. Hydrodynamics of a One Component Fluid	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	JOURNAL OF NON-EQUILIBRIUM THERMODYNAMICS	1987
56	Relationships between the phase behavior of lattice models of amphiphile mixtures and Griffiths three-component model	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICAL REVIEW A	1986
57	Interfacial critical phenomena at semipermeable membranes	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT Martina E.	PHYSICAL REVIEW B	1985
58	Wetting regimes at a semipermeable membrane	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO Martina E.	PHYSICAL REVIEW A	1985
59	Pinning of antiphase boundaries at the cleaved (001) surface of an L20 ordering alloy	LUIS ALBERTO VICENTE HINESTROZA CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	SURFACE SCIENCE	1985
60	ROUGENING TRANSITION AND FORMATION OF BICONTINUOUS STRUCTURES OF IMMISCIBLE SOLVENTS EMBEDDED IN SURFACTANT DIBLOCK COPOLYMERS.	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT Martina E.	J Phys (paris) Lett	1985
61	Prewetting in partially miscible liquids and the structure and thermodynamics of transient foams and aerosols	JESUS GRACIA SANCHEZ CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	J PHYS CHEM-US	1984
62	Global phase diagram for the wetting transition at interfaces in fluid mixtures	MARIA EUGENIA HERMINIA COSTAS BASIN CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICAL REVIEW LETTERS	1983
63	Kinetics of phase change in a model binary alloy	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	PHYSICAL REVIEW B	1982
64	Nucleation, spinodal decomposition, and interface motion in the van der Waals fluid	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	JOURNAL OF CHEMICAL PHYSICS	1981
65	On the relationship between the density functional formalism and the potential distribution theory for nonuniform fluids	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	JOURNAL OF STATISTICAL PHYSICS	1981
66	Rigorous interface properties for the van der Waals fluid mixture	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO Valderrama A.	JOURNAL OF CHEMICAL PHYSICS	1980



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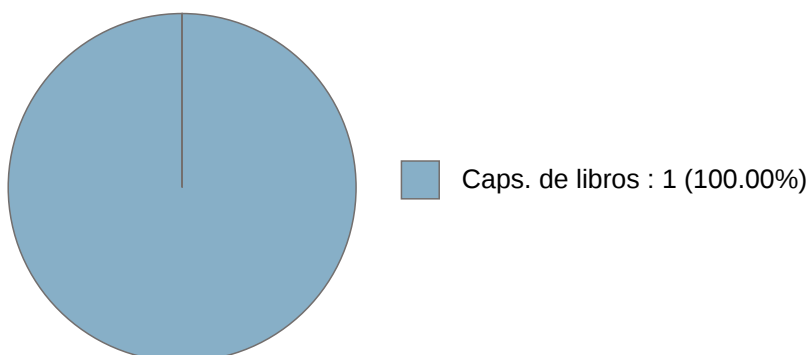
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67	Tight-binding Green's functions for surfaces, thin films, and solid interfaces. A random-walk theory approach	ALBERTO ROBLEDO NIETO CARMEN JOSEFA LUCIANA VAREA Y GILABERT	PHYSICAL REVIEW B	1980
68	Surface electronic Green's functions in terms of the bulk Green's function via random-walk theory	CARMEN JOSEFA LUCIANA VAREA Y GILABERT ALBERTO ROBLEDO NIETO	PHYSICAL REVIEW B	1979

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Two-dimensional growth in a three component mixture with competing interactions	CARMEN JOSEFA LUCIANA VAREA Y GILABERT	Capítulo de un Libro	2005	9781860947209



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PARTICIPACIÓN EN PROYECTOS

No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

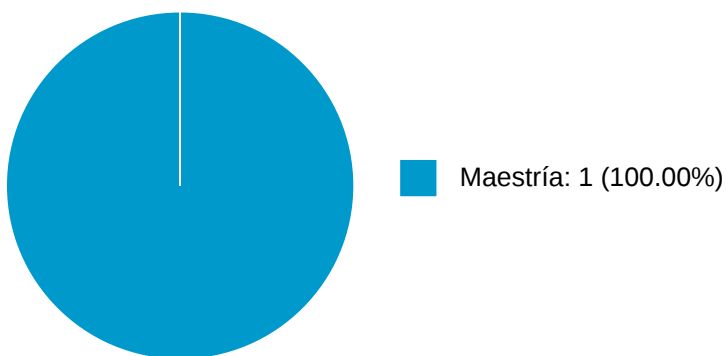
No se encuentran registros en la base de datos de TESIUNAM asociados a:

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	FISICA ESTADISTICA	Instituto de Física	6	2008-2



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PATENTES

No se encuentran registros en la base de datos de patentes asociados a:

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024