



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



**JOSE LUIS MORAN LOPEZ**

## Datos Generales

**Nombre:** JOSE LUIS MORAN LOPEZ

**Máximo nivel de estudios:** POSDOCTORADO

**Antigüedad académica en la UNAM:** 5 años

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## Nombramientos

**Último:** PROFESOR DE CARRERA TITULAR C TC No Definitivo  
Facultad de Ciencias  
Desde 16-01-2015 hasta 31-05-2015

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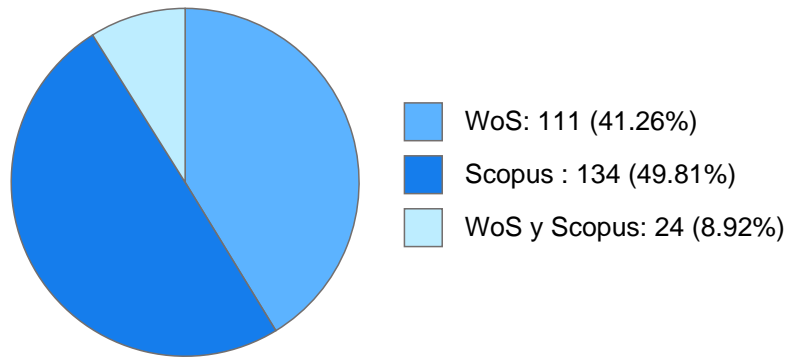
## Estímulos, programas, premios y reconocimientos

SNI III 2023  
SNI Emérito 2020 - 2022  
SNI III 2010 - 2019  
PRIDE D 2013 - 2015  
PRIDE C 2010 - 2013

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**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



#	Título	Autores	Revista	Año
1	Modeling the viral load expelled in saliva droplets carrying SARS-CoV-2	ALIPIO GUSTAVO CALLES MARTINEZ JOSE LUIS MORAN LOPEZ	Journal Of Physics Communications	2021
2	First-principles study of Mn <sub>3</sub> adsorbed on Au(111) and Cu(111) surfaces	JOSE LUIS MORAN LOPEZ Hernández-Vázquez E.E. López-Moreno S. et al.	RSC ADVANCES	2021
3	Spin orbit coupling effects on the non-collinear magnetism of structurally relaxed Fe/Cu (001) thin films: First principles calculations	JOSE LUIS MORAN LOPEZ Garibay-Alonso R. Ricardo-Chávez J.L. et al.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2020
4	First-principles study of Ni adatom migration on graphene with vacancies	JOSE LUIS MORAN LOPEZ Hernández-Vázquez E.E. Munoz F. et al.	RSC ADVANCES	2019
5	A first principles systematic study of the structural, electronic, and magnetic properties of Heusler X <sub>2</sub> MnZ with X = Fe, Co, Ni, Cu, Ru, Rh, Pd, Ag, Pt, Au and Z = Al, Si, Ga, Ge, In and Sn	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Aguilera-Del-Toro R.H.	MATERIALS RESEARCH EXPRESS	2019

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6	Global geometry optimization and magnetic properties of Pt and FePt clusters	JOSE LUIS MORAN LOPEZ Ponce-Tadeo A.P. Ricardo-Chavez J.L.	INTERNATIONAL CONFERENCES & EXHIBITION ON NANOTECHNOLOGIES, ORGANIC ELECTRONICS & NANOMEDICINE, NANOTECHNOLOGY 2020, PT 1	2019
7	Magnetic fields produced by non-concentric and non-coplanar currents in circular loops	RAUL ARTURO ESPEJEL MORALES GABRIELA MURGUIA ROMERO ALIPIO GUSTAVO CALLES MARTINEZ et al.	EUROPEAN JOURNAL OF PHYSICS	2019
8	Growth of Ni nanoclusters on irradiated graphene: A molecular dynamics study	JOSE LUIS MORAN LOPEZ Valencia F.J. Hernandez-Vazquez E.E. et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2018
9	Structural and magnetic properties of Fe <sub>7</sub> -nPt <sub>n</sub> with n = 0, 1, 2, ..., 7, bimetallic clusters	JOSE LUIS MORAN LOPEZ Ponce-Tadeo, A.P. Ricardo-Chavez, J.L.	JOURNAL OF NANOPARTICLE RESEARCH	2016
10	Ordered states in binary alloys with one magnetic component: A binomial description	JOSE LUIS MORAN LOPEZ Rodríguez-Alba R. Acosta Ortíz S.E.	SOLID STATE COMMUNICATIONS	2015
11	Structural, electronic and magnetic properties of ConPt <sub>M-n</sub> , for M=13, 19, and 55, from first principles	JOSE LUIS MORAN LOPEZ Montejano-Carrizales, J. M. Aguilera-Granja, F. et al.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2014
12	Finite size effects on the magnetocrystalline anisotropy energy in Fe magnetic nanowires from first principles	JOSE LUIS MORAN LOPEZ Munoz, F. Romero, A. H. et al.	JOURNAL OF NANOPARTICLE RESEARCH	2013
13	Properties of Fe <sub>8</sub> -NCoN nanoribbons and nanowires: A DFT approach	JOSE LUIS MORAN LOPEZ Munoz, Francisco Altbir, D. et al.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2013
14	Structural, electronic, vibrational, and elastic properties of SWCNTs doped with B and N: an ab initio study	RAUL ARTURO ESPEJEL MORALES ALIPIO GUSTAVO CALLES MARTINEZ JOSE LUIS MORAN LOPEZ et al.	EUROPEAN PHYSICAL JOURNAL D	2013
15	First-principles theoretical investigation of monoatomic and dimer Mn adsorption on noble metal (111) surfaces	JOSE LUIS MORAN LOPEZ Munoz, Francisco Romero, Aldo H. et al.	PHYSICAL REVIEW B	2012

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16	Monoatomic and dimer Mn adsorption on the Au(111) surface from first principles	Francisco Munoz Jose Mejia Lopez JOSE LUIS MORAN LOPEZ et al.	PHYSICAL REVIEW B	2011
17	Structural and magnetic properties of FemYn (m + n=7, Y = Ru, Rh, Pd, and Pt) nanoalloys	JOSE LUIS MORAN LOPEZ Montejano-Carrizales, J. M. Aguilera-Granja, F.	EUROPEAN PHYSICAL JOURNAL D	2011
18	Theoretical study of bimetallic magnetic nanostructures: ConPdN-n, n=0,1,...N, N=3,5,7,13	JOSE LUIS MORAN LOPEZ Cantera-Lopez, H. Montejano-Carrizales, J. M. et al.	EUROPEAN PHYSICAL JOURNAL D	2010
19	Measuring the wavelength of a diode laser and the birefringence of mica: the experimental examination of the IPHO 40 held in Mexico	JOSE LUIS MORAN LOPEZ MARIA ESTHER ORTIZ Y SALAZAR LUIS FELIPE DE JESUS RODRIGUEZ JORGE et al.	EUROPEAN JOURNAL OF PHYSICS	2010
20	A two dimensional Heusler alloy model	JOSE LUIS MORAN LOPEZ Rodriguez-Alba, R. Aguilera-Granja, F.	SOLID STATE COMMUNICATIO NS	2009
21	The geometrical characteristics of fcc, hcp, and polycrystalline nanowires: simulations of transmission electron microscopy images and diffraction patterns	JOSE LUIS MORAN LOPEZ Montejano-Carrizales, J. M. Guirado-Lopez, R. A. et al.	REVISTA MEXICANA DE FISICA	2009
22	Spin-reorientation transitions in cobalt nanowires: Role of the microstructure and finite-size effects	JOSE LUIS MORAN LOPEZ Guirado-Lopez, R. A. Montejano-Carrizalez, J. M.	PHYSICAL REVIEW B	2008
23	Understanding the elusive magnetic behavior of manganese clusters	JOSE LUIS MORAN LOPEZ Mejia-Lopez, Jose Romero, Aldo H. et al.	PHYSICAL REVIEW B	2008
24	Recent developments in magnetic nanostructures	JOSE LUIS MORAN LOPEZ Guirado-Lopez, R. A. Montejano-Carrizalez, J. M. et al.	CURRENT SCIENCE	2008
25	New advances in magnetic nanostructures	JOSE LUIS MORAN LOPEZ	REVISTA MEXICANA DE FISICA	2007
26	Magnetic properties of Fe nanoclusters: Ab initio calculations of Fe N, N = 9, 15, 27, 51, and 59	JOSE LUIS MORAN LOPEZ López Laurrabaquio G. Pérez Alvarez M. et al.	REVISTA MEXICANA DE FISICA	2006
27	Noncollinear magnetism, spin frustration, and magnetic nanodomains in small Mnn clusters	JOSE LUIS MORAN LOPEZ Mejía-López J. Romero A.H. et al.	PHYSICAL REVIEW B	2006
28	Creation of helical vortices during magnetization of aligned carbon nanotubes filled with Fe: Theory and experiment	MAURICIO TERRONES MALDONADO JOSE LUIS MORAN LOPEZ López-Urías F. et al.	PHYSICAL REVIEW LETTERS	2005

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29	Magnetic and transport properties of Fe nanowires encapsulated in carbon nanotubes	MAURICIO TERRONES MALDONADO JOSE LUIS MORAN LOPEZ Muñoz-Sandoval E. et al.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2004
30	Magnetism at finite temperature in heavy rare-earth clusters	JOSE LUIS MORAN LOPEZ López-Urías F. Díaz-Ortiz A.	PHYSICAL REVIEW B	2002
31	Magnetism at finite temperature in heavy rare-earth clusters	JOSE LUIS MORAN LOPEZ López-Urías F. Díaz-Ortiz A.	PHYSICAL REVIEW B	2002
32	Local magnetic moments of FeI/CrN nanoinclusions embedded in bulk Fe	JOSE LUIS MORAN LOPEZ Alvarado-Leyva P.G. Montejano-Carrizales J.M.	SURFACE REVIEW AND LETTERS	2002
33	Magnetic properties of FeI/CrN nanoinclusions in Fe	JOSE LUIS MORAN LOPEZ Alvarado-Leyva P.G. Montejano-Carrizales J.M.	REVISTA MEXICANA DE FISICA	2002
34	Gadolinium clusters at finite temperature: Exact results in the framework of a quantum Heisenberg model	JOSE LUIS MORAN LOPEZ López-Urías F. Díaz-Ortiz A.	PHYSICA B-CONDENSED MATTER	2002
35	Curved nanomaterials	MAURICIO TERRONES MALDONADO JOSE LUIS MORAN LOPEZ Terrones H.	CURRENT SCIENCE	2001
36	Normal modes of vibration of the C60 isotopomers $^{12}\text{C}_{59}^{13}\text{C}$ and $^{12}\text{C}_{58}^{13}\text{C}_2$	JORGE RAMON SOTO MERCADO ALIPIO GUSTAVO CALLES MARTINEZ JOSE LUIS MORAN LOPEZ	JOURNAL OF CHEMICAL PHYSICS	2000
37	Phase transitions in confined antiferromagnets	JOSE LUIS MORAN LOPEZ Díaz-Ortiz A. Sanchez J.M.	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	2000
38	Cluster variation method and Monte Carlo simulations in Ising square antiferromagnets	JOSE LUIS MORAN LOPEZ López-Sandoval E. Aguilera-Granja F.	SOLID STATE COMMUNICATIO NS	1999
39	Magnetic moments of iron clusters: A simple theoretical model	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Montejano-Carrizales J.M.	PHYSICS LETTERS A	1998
40	Geometrical structure and magnetism of nickel clusters	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Montejano-Carrizales J.M.	SOLID STATE COMMUNICATIO NS	1998
41	Finite-size effects on the phase diagrams of binary alloy films	JOSE LUIS MORAN LOPEZ Díaz-Ortiz A. Sanchez J.M. et al.	SOLID STATE COMMUNICATIO NS	1998
42	Electronic structure of $\text{In}_x\text{Na}_{60-x}$ fullerenes	JOSE LUIS MORAN LOPEZ Guirado-López R.A. Dorantes-Dávila J.	FULLERENE SCI TECHN	1998

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43	Order-disorder transitions under confinement	JOSE LUIS MORAN LOPEZ Díaz-Ortiz A. Sanchez J.M.	PHYSICAL REVIEW LETTERS	1998
44	Magnetic non-magnetic transitions in non-magnetic transition metal clusters	JOSE LUIS MORAN LOPEZ Aguilera-Granja F.	NANOSTRUCT MATER	1997
45	Thermodynamics of binary alloy thin films	JOSE LUIS MORAN LOPEZ Diaz-Ortiz A. Sanchez J.M.	COMPUTATIONA L MATERIALS SCIENCE	1997
46	Direct enumeration of the geometrical characteristics of clusters	JOSE LUIS MORAN LOPEZ Montejano-Carrizales J.M. Aguilera-Granja F.	NANOSTRUCT MATER	1997
47	Equilibrium thermodynamics of cobalt-copper slabs	JOSE LUIS MORAN LOPEZ Díaz-Ortiz A. Aguilera-Granja F.	PHYSICAL REVIEW B	1996
48	Phase transitions in bcc(110) binary-alloy thin films	JOSE LUIS MORAN LOPEZ Sosa-Hernández E.M. Aguilera-Granja F.	PHYSICAL REVIEW B	1995
49	Electronic structure calculations of defect C60 with one or two vacancies	JOSE LUIS MORAN LOPEZ Dorantes-Davila J. Cabrera-Trujillo J.M.	Materials Research Society Symposium Proceedings	1995
50	Magnetic properties of large Ising clusters	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Montejano-Carrizales J.M.	SURFACE SCIENCE	1995
51	A possible route to macroscopic formation of endohedral fullerenes	JOSE LUIS MORAN LOPEZ Cabrera-Trujillo J.M. Dorantes-Dávila J.	SOLID STATE COMMUNICATIO NS	1995
52	Theoretical studies and modelling of nanostructured materials a challenge for the 1990s	JOSE LUIS MORAN LOPEZ	COMPUTATIONA L MATERIALS SCIENCE	1994
53	Energetics of giant fullerenes and matryoschka structures	JOSE LUIS MORAN LOPEZ Bennemann K.H. Cabrera-Trujillo M. et al.	SOLID STATE COMMUNICATIO NS	1994
54	Finite size scaling in Ising thin films	JOSE LUIS MORAN LOPEZ Díaz-Ortiz A. Aguilera-Granja F.	SOLID STATE COMMUNICATIO NS	1994
55	Modeling the magnetic properties of Heusler alloys	JOSE LUIS MORAN LOPEZ Rodríguez-Alba R. Aguilera-Granja F.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1994
56	Phase transitions in Ising square antiferromagnets with first- and second-neighbour interactions	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Sanchez J.M.	JOURNAL OF PHYSICS-COND ENSED MATTER	1994

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57	Energetics for the new forms of carbon-clusters	JOSE LUIS MORAN LOPEZ Bennemann K.H. Reichardt D. et al.	Z PHYS D ATOM MOL CL	1994
58	Recursion method study of the electronic structure of some fullerenes	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Dorantes-Davila J. et al.	JOURNAL OF PHYSICS-COND ENSED MATTER	1993
59	Electronic structure of a quasicrystalline model for Al <sub>13</sub> Fe <sub>4</sub>	JOSE LUIS MORAN LOPEZ Cabrera-Trujillo J.M. Kumar V.	JOURNAL OF PHYSICS-COND ENSED MATTER	1993
60	The s and p character of the electronic structure of C <sub>20</sub> , C <sub>60</sub> and C <sub>70</sub>	JOSE LUIS MORAN LOPEZ Ortíz-Saavedra J. Aguilera-Granja F. et al.	SOLID STATE COMMUNICATIO NS	1993
61	Oxygen chemisorption effects on the spatial atomic distribution of CuNi, CuPd and NiPt nanostructures	JOSE LUIS MORAN LOPEZ Montejano-Carrizales J.M.	SURFACE SCIENCE	1993
62	The phase diagram of oxygen ordering in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+d</sub> . The nine point cluster approximation	JOSE LUIS MORAN LOPEZ Sanchez J.M.	PHYSICA C-SUPERCONDU CTIVITY AND ITS APPLICATIONS	1993
63	Magnetic properties of cubo-octahedral Ising clusters	JOSE LUIS MORAN LOPEZ Bennemann K.H. Montejano-Carrizales J.M. et al.	SOLID STATE COMMUNICATIO NS	1993
64	Electronic structure of some semiconductor fullerenes	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Dorantes-Dávila J. et al.	NANOSTRUCT MATER	1993
65	Changes in the equilibrium shape of bimetallic nanostructures induced by chemisorption	JOSE LUIS MORAN LOPEZ Montejano-Carrizales J.M.	NANOSTRUCT MATER	1993
66	Specific heat and the phase diagram of the Ising square lattice with nearest- and next-nearest interactions	JOSE LUIS MORAN LOPEZ Aguilera-Granja F.	JOURNAL OF PHYSICS-COND ENSED MATTER	1993
67	First-order phase transitions in the Ising square lattice with first- and second-neighbor interactions	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Sanchez J.M.	PHYSICAL REVIEW B	1993
68	Phase transitions in layered magnetic structures	JOSE LUIS MORAN LOPEZ Ortíz-Saavedra J. Aguilera-Granja F.	SOLID STATE COMMUNICATIO NS	1992
69	Chemisorption effects on the spatial atomic distribution of bimetallic nanostructures	JOSE LUIS MORAN LOPEZ Montejano-Carrizales J.M.	SURFACE SCIENCE	1992
70	Geometrical characteristics of compact nanoclusters	JOSE LUIS MORAN LOPEZ Montejano-Carrizales J.M.	NANOSTRUCT MATER	1992

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71	Pseudo-three dimensional model of oxygen ordering in $\text{YBa}_2\text{Cu}_3\text{O}_{6+d}$	JOSE LUIS MORAN LOPEZ Sanchez J.M.	SOLID STATE COMMUNICATIONS	1991
72	Bimetallic nanostructures. II. Finite temperature and applications	JOSE LUIS MORAN LOPEZ Montejano-Carrizales J.M.	SURFACE SCIENCE	1990
73	Ising model of phase transitions in ultrathin films	JOSE LUIS MORAN LOPEZ Aguilera-Granja F.	SOLID STATE COMMUNICATIONS	1990
74	Local electronic density of states in two-component penrose lattices	JOSE LUIS MORAN LOPEZ Cabrera-Trujillo J.M. Mejía-Lira F. et al.	SOLID STATE COMMUNICATIONS	1990
75	Bimetallic nanostructures. I. General aspects and the ground state	JOSE LUIS MORAN LOPEZ Montejano-Carrizales J.M.	SURFACE SCIENCE	1990
76	Simple model of oxygen-disorder effects on the electronic structure of $\text{YBa}_2\text{Cu}_3\text{O}_{6+d}$	JOSE LUIS MORAN LOPEZ	SOLID STATE COMMUNICATIONS	1989
77	Magnetic properties and chemical ordering in Co-Pt	JOSE LUIS MORAN LOPEZ Sanchez J.M. Leroux C. et al.	JOURNAL OF PHYSICS-CONDENSED MATTER	1989
78	Modeling of phase diagrams for bcc magnetic alloys	JOSE LUIS MORAN LOPEZ Contreras-Solorio D.A. Mejía-Lira F. et al.	PHYSICAL REVIEW B	1988
79	Oxygen order-disorder transition in the superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{6+}$	JOSE LUIS MORAN LOPEZ Sanchez J.M. Meja-Lira F.	PHYSICAL REVIEW B	1988
80	Surface ferromagnetism in close-packed structures	JOSE LUIS MORAN LOPEZ Sanchez J.M.	SURFACE SCIENCE	1988
81	Renormalization group approach to the electronic spectrum of a fibonacci chain	JOSE LUIS MORAN LOPEZ Villaseñor-González P. Mejía-Lira F.	SOLID STATE COMMUNICATIONS	1988
82	Magnetic properties and chemical ordering in Co-Pt	JOSE LUIS MORAN LOPEZ Sanchez J.M. Leroux C. et al.	Journal Of Physics C: Solid State Physics	1988
83	CHARGE TRANSFER EFFECTS ON THE SURFACE SEGREGATION IN BINARY ALLOYS.	JOSE LUIS MORAN LOPEZ Mukherjee S.	PROG SURF SCI	1987
84	Surface segregation in transition-metal alloys and in bimetallic alloy clusters	JOSE LUIS MORAN LOPEZ Mukherjee S.	SURFACE SCIENCE	1987
85	Magnetism and spatial order in transition metal alloys: Experimental and theoretical aspects	JOSE LUIS MORAN LOPEZ Cadeville M.C.	PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS	1987
86	Aiding latin american physics	JOSE LUIS MORAN LOPEZ Mejia-Lira F. Navarro H. et al.	PHYSICS TODAY	1987



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87	Theory of surface segregation in transition-metal alloys	JOSE LUIS MORAN LOPEZ Mukherjee S.	Surface Science Letters	1987
88	Magnetism and spatial order transformation of systems chemisorbed on ferromagnetic substrates	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Falicov L.M.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1986
89	Spatial atomic distribution in small bimetallic clusters	JOSE LUIS MORAN LOPEZ Balseiro C.A.	SURFACE SCIENCE	1985
90	Ordering and segregation at (001) surfaces of Cu <sub>3</sub> Au	JOSE LUIS MORAN LOPEZ Sanchez J.M.	SURFACE SCIENCE	1985
91	Ferromagnetism and spatial long-range order in binary alloys: II. systems with face-centred cubic structure	JOSE LUIS MORAN LOPEZ Dávila E.C. Lira F.M.	Journal Of Physics C: Solid State Physics	1985
92	Substitutional impurities in a linear chain of atoms: A sum rule	JOSE LUIS MORAN LOPEZ Villasenor-Gonzalez P. Urias J.	Journal Of Physics F: Metal Physics	1984
93	ELECTRONIC THEORY OF ORDER-DISORDER TRANSFORMATIONS IN BINARY ALLOYS.	JOSE LUIS MORAN LOPEZ Castillo-Alvarado F.L. Sanchez J.M.	Materials Research Society Symposium Proceedings	1984
94	Theory of changes in the concentration profile in binary alloy surfaces under irradiation	JOSE LUIS MORAN LOPEZ Mejía-Lira F.	SURFACE SCIENCE	1984
95	Spatial and magnetic ordering of systems chemisorbed at the surface of ferromagnets	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Falicov L.M.	PHYSICAL REVIEW B	1984
96	Magnetic long- and short-range order at the surface of ferromagnets	JOSE LUIS MORAN LOPEZ Aguilera-Granja F. Urías J.	PHYSICAL REVIEW B	1983
97	MAGNETIC ORDERING AND PHASE SEPARATION IN BINARY ALLOYS WITH ONE MAGNETIC COMPONENT.	JOSE LUIS MORAN LOPEZ Urias Jesus	Materials Research Society Symposium Proceedings	1983
98	Theory of order-disorder transitions for inhomogeneous mixed-valence systems	JOSE LUIS MORAN LOPEZ Schlottmann P.	PHYSICAL REVIEW B	1983
99	Interplay of surface magnetism and surface segregation near T <sub>c</sub> in Ni <sub>x</sub> Cu <sub>1-x</sub> alloys	JOSE LUIS MORAN LOPEZ Urías J.	Surface Science Letters	1983
100	On the ground state solutions of the Hubbard model	JOSE LUIS MORAN LOPEZ Dorantes-Dávila J. Avignon M.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1983

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101	THEORY OF SURFACE EFFECTS IN BINARY ALLOYS.	JOSE LUIS MORAN LOPEZ Falicov L.M.	Materials Research Society Symposium Proceedings	1983
102	Order-disorder phase transitions at surfaces	JOSE LUIS MORAN LOPEZ Bennemann K.H.	IEEE TRANSACTIONS ON MAGNETICS	1982
103	Application of the Hellmann-Feynman theorem to the study of substitutional impurities in a linear chain of atoms	JOSE LUIS MORAN LOPEZ Villaseñor-González P. Urías J.	SOLID STATE COMMUNICATIONS	1982
104	Electronic theory of binary alloys with face-centered-cubic crystal structure	JOSE LUIS MORAN LOPEZ Mejía-Lira F. Bennemann K.H.	PHYSICAL REVIEW B	1982
105	Magnetic moments at the surface of 3D transition metals	JOSE LUIS MORAN LOPEZ Dorantes-Davila J. Bennemann K.H.	Applications Of Surface Science	1982
106	Magnetism in transition metals	JOSE LUIS MORAN LOPEZ Bennemann K.H. Avignon M.	PHYSICAL REVIEW B	1981
107	Theory of surface effects in binary alloys. III. Stepped surfaces	JOSE LUIS MORAN LOPEZ Kumar V. Da Silva C.E.T.G.	PHYSICAL REVIEW B	1981
108	Theory of surface effects in binary alloys. IV. Ordering alloys with two ferromagnetic components	JOSE LUIS MORAN LOPEZ Urías J.	PHYSICAL REVIEW B	1981
109	Interplay of atomic order and ferromagnetism at the surface of binary alloys	JOSE LUIS MORAN LOPEZ Urías J.	SURFACE SCIENCE	1981
110	Segregation at stepped surfaces	JOSE LUIS MORAN LOPEZ Kumar V. da Silva C.E.T.G.	SOLID STATE COMMUNICATIONS	1981
111	THEORY OF HYDROGEN CHEMISORPTION ON FERROMAGNETS.	JOSE LUIS MORAN LOPEZ Falicov L.M.	Journal Of Vacuum Science & Technology	1981
112	Surface composition of the ordered binary alloy system: Fe-Co	JOSE LUIS MORAN LOPEZ Wise H.	Applications Of Surface Science	1980
113	FERROMAGNETISM AND SPATIAL LONG-RANGE ORDER AT THE SURFACE OF BINARY ALLOYS.	JOSE LUIS MORAN LOPEZ Urias J.	Journal Of Vacuum Science & Technology	1980
114	Ferromagnetism and spatial long-range order in binary alloys	JOSE LUIS MORAN LOPEZ Falicov L.M.	Journal Of Physics C: Solid State Physics	1980

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115	Spin waves at the surface of ferromagnetic alloys: A cluster-bethe-lattice approach	JOSE LUIS MORAN LOPEZ Falicov L.M.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1980
116	Simple model for inhomogeneous mixed-valence systems: Application to Sm3S4 and Eu3S4	JOSE LUIS MORAN LOPEZ Schlottmann P.	PHYSICAL REVIEW B	1980
117	Spin waves at the surface of dilute ferromagnets	JOSE LUIS MORAN LOPEZ Falicov L.M.	PHYSICAL REVIEW B	1979
118	Magnetic excitations at the surface of alloys with two ferromagnetic components	JOSE LUIS MORAN LOPEZ Falicov L.M.	PHYSICAL REVIEW B	1979
119	Segregation and short-range order properties at the boundaries of two-dimensional bimetallic clusters	JOSE LUIS MORAN LOPEZ Falicov L.M.	SURFACE SCIENCE	1979
120	Atomic ordering and ferromagnetism in binary alloys	JOSE LUIS MORAN LOPEZ Falicov L.M.	SOLID STATE COMMUNICATIONS	1979
121	Theory of surface effects in binary alloys. I. Ordering alloys	JOSE LUIS MORAN LOPEZ Falicov L.M.	PHYSICAL REVIEW B	1978
122	On the selective catalytic behaviour of the Cu-Ni alloy surface	JOSE LUIS MORAN LOPEZ Bennemann K.H.	SURFACE SCIENCE	1978
123	Theory of surface effects in binary alloys. II. Segregating alloys	JOSE LUIS MORAN LOPEZ Falicov L.M.	PHYSICAL REVIEW B	1978
124	Magnetism at the surface of transition-metal alloys	JOSE LUIS MORAN LOPEZ Brouers F. Bennemann K.H.	PHYSICAL REVIEW B	1978
125	Dependence of work function on the order-disorder phase transition in chemisorbed layers	JOSE LUIS MORAN LOPEZ Ten Bosch A.	PHYSICAL REVIEW B	1978
126	Electronic theory for the metal-nonmetal transition in simple metal alloys	JOSE LUIS MORAN LOPEZ Ten Bosch A. Bennemann K.H.	Journal Of Physics C: Solid State Physics	1978
127	Electronic theory for the metal-non-metal transition in simple metal alloys	JOSE LUIS MORAN LOPEZ ten Bosch A. Bennemann K.H.	Zeitschrift Für Physik B Condensed Matter And Quanta	1978
128	Electronic theory for segregation at the surface of transition-metal alloys	JOSE LUIS MORAN LOPEZ Kerker G. Bennemann K.H.	PHYSICAL REVIEW B	1977
129	Segregation in thin films	JOSE LUIS MORAN LOPEZ Kerker G. Bennemann K.H.	SURFACE SCIENCE	1977
130	Changes in work function due to charge transfer in chemisorbed layers	JOSE LUIS MORAN LOPEZ Bosch A.T.	SURFACE SCIENCE	1977



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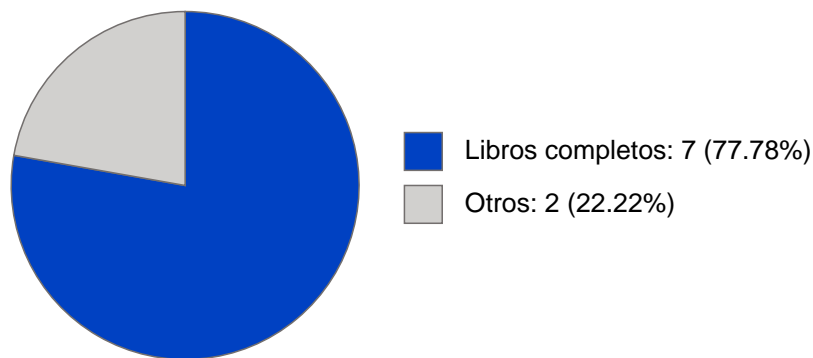
**JOSE LUIS MORAN LOPEZ**

131	SEGREGATION IN THIN TRANSITION-METAL FILMS.	JOSE LUIS MORAN LOPEZ Kerker G. Bennemann K.H.	American Society Of Mechanical Engineers (paper)	1977
132	Surface effects on the order-disorder phase transition of A3B alloys	JOSE LUIS MORAN LOPEZ Bennemann K.H.	PHYSICAL REVIEW B	1977
133	METAL-NONMETAL TRANSITION IN LIQUID SEMICONDUCTORS.	JOSE LUIS MORAN LOPEZ ten Bosch A. Bennemann K.H.	BER BUNSEN PHYS CHEM	1976
134	The local electronic densities of states at the surface of disordered alloys	JOSE LUIS MORAN LOPEZ Kerker G. Bennemann K.H.	SURFACE SCIENCE	1976
135	Theory for the electronic structure at the surface of transition metal alloys	JOSE LUIS MORAN LOPEZ Kerker G. Bennemann K.H.	Journal Of Physics F: Metal Physics	1975

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**LIBROS Y CAPITULOS CON ISBN**

**Obras con registro ISBN**



#	Título	Autores	Alcance	Año	ISBN
1	Enseñando física	RAUL ARTURO ESPEJEL MORALES MARIA LUISA MARQUINA FABREGA JOSE LUIS MORAN LOPEZ et al.	Libro Completo	2022	9786073065108
2	Los materiales nanoestructurados	JOSE LUIS MORAN LOPEZ JOSE LUIS RODRIGUEZ LOPEZ	Libro Completo	2016	9786071640192
3	Crónicas de la Ciencia volumen VI	GERARDO GAMBA AYALA LORENZO MARTINEZ GOMEZ JOSE LUIS MORAN LOPEZ	Libro Completo	2015	9786079138219
4	Los materiales nanoestructurados	JOSE LUIS RODRIGUEZ LOPEZ JOSE LUIS MORAN LOPEZ	Libro Completo	2013	9786071613714
5	Los materiales nanoestructurados	JOSE LUIS RODRIGUEZ LOPEZ JOSE LUIS MORAN LOPEZ	Libro Completo	2012	9786071611291
6	Cosmos. Física	JOSE LUIS MORAN LOPEZ LUIS RODRIGUEZ CASTILLO	Libro Completo	2009	9786074771589



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7	Cosmos. Física.	LUIS RODRIGUEZ CASTILLO JOSE LUIS MORAN LOPEZ	Libro Completo	2009	9786074771619
8	HYDROGEN CHEMISORPTION ON CLOSED-PACKED SURFACES.	JOSE LUIS MORAN LOPEZ Mejia-Lira F. Jena PuruSatterthwaite Cam B.	Conferenc e Paper	1983	030641130X
9	THEORY OF HYDROGEN CHEMISORPTION ON FERROMAGNETIC TRANSITION METALS.	JOSE LUIS MORAN LOPEZ Falicov L.M.	Conferenc e Paper	1983	030641130X



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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**

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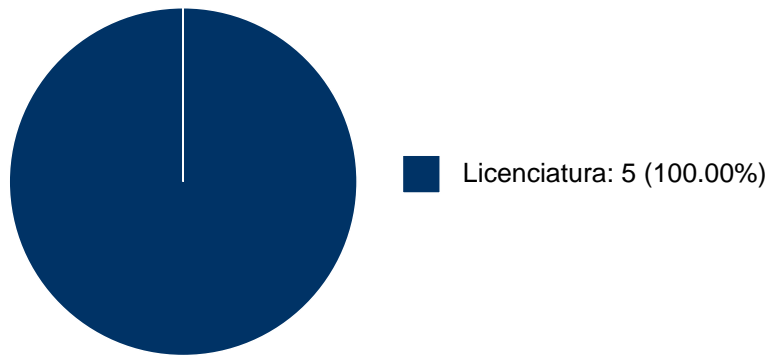
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**DOCENCIA IMPARTIDA**

**Histórico de docencia**



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	7	2013-1
2	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	18	2012-2
3	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	12	2012-1
4	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	19	2011-2
5	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	17	2011-1



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**TUTORIAS EN POSGRADO**

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**JOSE LUIS MORAN LOPEZ**

**PATENTES**

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

**JOSE LUIS MORAN LOPEZ**

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**FUENTES DE INFORMACIÓN**

**Internos**

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2024
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2024
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2024
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

**Externos**

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