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Coordinación de Planeación, Evaluación y
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Reporte individual



LUIS ENRIQUE SANSORES CUEVAS

Datos Generales

Nombre: LUIS ENRIQUE SANSORES CUEVAS

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Nombramientos

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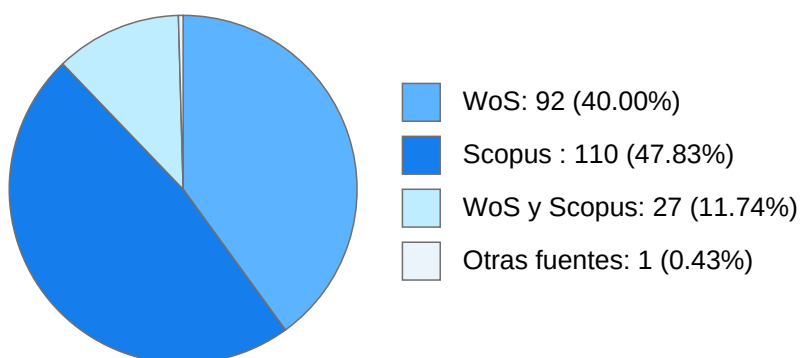
Estímulos, programas, premios y reconocimientos

SNI III 2011 - VIGENTE
SNI II - 2010
PRIDE D - 2024
PASPA Estancias Sabáticas 2009

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Tailoring aqueous electrolytes based on M = Li, Na and K for the α -MnO ₂ electrode and its applications for energy storage devices: A DFT approach	CORNELIO DELESMA DIAZ CHRISTIAN ALEJANDRO CELAYA LOPEZ LUIS ENRIQUE SANSORES CUEVAS et al.	APPLIED SURFACE SCIENCE	2025
2	Exploring electron transport at the interface of MnO ₂ /carbon nanostructures for energy storage applications: A quantum chemistry approach	CORNELIO DELESMA DIAZ CHRISTIAN ALEJANDRO CELAYA LOPEZ ANA KARINA CUENTAS GALLEGOS et al.	APPLIED SURFACE SCIENCE	2025
3	Correction to: Aromaticity in cyanuric acid (Journal of Molecular Modeling, (2011), 17, 6, (1311-1315), 10.1007/s00894-010-0825-2)	ARMANDO DANIEL CABRERA ORTIZ LUIS ENRIQUE SANSORES CUEVAS ROBERTO RENE SALCEDO PINTOS et al.	JOURNAL OF MOLECULAR MODELING	2024
4	Tailoring nanostructured materials based on ?-graphyne monolayers modified with Au heteroatoms for application in energy storage devices: A first principle study	CHRISTIAN ALEJANDRO CELAYA LOPEZ LUIS ENRIQUE SANSORES CUEVAS JESUS MUÑOZ SORIA et al.	APPLIED SURFACE SCIENCE	2022

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5	The Role of Cobalt Clusters (Co-n, n = 1-5) Supported on Defective gamma-Graphyne for Efficient Hydrogen Adsorption: A First Principles Study	CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA ROBERTO RENE SALCEDO PINTOS et al.	Advanced Theory and Simulations	2022
6	Stability of spherical molecular complexes: a theoretical study of self-assembled M12L24 nanoballs	JORGE GUTIERREZ FLORES ROXANA MITZAYE DEL CASTILLO VAZQUEZ LUIS ENRIQUE SANSORES CUEVAS et al.	STRUCTURAL CHEMISTRY	2021
7	Theoretical study of Au-20/WS2 composite material as a potential candidate for the capture of XO (X=C, N, S) gases	CHRISTIAN ALEJANDRO CELAYA LOPEZ MIGUEL REINA TAPIA JESUS MUÑIZ SORIA et al.	Computational Condensed Matter	2021
8	Molecular knot with nine crossings: Structure and electronic properties from density functional theory computation	CHRISTIAN ALEJANDRO CELAYA LOPEZ ROBERTO RENE SALCEDO PINTOS LUIS ENRIQUE SANSORES CUEVAS	JOURNAL OF MOLECULAR GRAPHICS & MODELLING	2020
9	Erratum: Del Castillo, R.M., et al. Electronic Peculiarities of a Self-Assembled M12L24 Nanoball (M = Pd+2, Cr, or Mo). Molecules 2019, 24, 771	ROXANA MITZAYE DEL CASTILLO VAZQUEZ ROBERTO RENE SALCEDO PINTOS ANA MARIA MARTINEZ VAZQUEZ et al.	Molecules	2020
10	Structures, stabilities and aromatic properties of endohedrally transition metal doped boron clusters M@B-22, M = Sc and Ti: a theoretical study	CHRISTIAN ALEJANDRO CELAYA LOPEZ FERNANDO BUENDIA ZAMUDIO ALAN JOEL MIRALRIO PINEDA et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2020
11	M@C-50 as Higher Intermediates towards Large Endohedral Metallofullerenes: Theoretical Characterization, Aromatic and Bonding Properties from Relativistic DFT Calculations	ALAN JOEL MIRALRIO PINEDA LUIS ENRIQUE SANSORES CUEVAS Muñoz-Castro A. et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2019
12	Structure, stability, and electronic structure properties of quasi-fullerenes C _{n-q} (n=?42, 48 and 60) doped with transition metal atoms (M=?Sc, Ti, V and Cr): A Density Functional Theory study	CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA LUIS ENRIQUE SANSORES CUEVAS	COMPUTATIONAL AND THEORETICAL CHEMISTRY	2019
13	Electronic peculiarities of a self-assembled M ₁₂ L ₂₄ nanoball (M = Pd +2, Cr, or Mo)	ROXANA MITZAYE DEL CASTILLO VAZQUEZ ROBERTO RENE SALCEDO PINTOS ANA MARIA MARTINEZ VAZQUEZ et al.	Molecules	2019
14	Trapping of CO ₂ by Cr ₂ Cr quintuple bonds. A theoretical approach	LUIS ENRIQUE SANSORES CUEVAS ROBERTO RENE SALCEDO PINTOS Rios C. et al.	Polyhedron	2019

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15	Theoretical study of graphyne-gamma doped with N atoms: The quest for novel catalytic materials	CHRISTIAN ALEJANDRO CELAYA LOPEZ LUIS ENRIQUE SANSORES CUEVAS Muñiz J.	Fuel	2019
16	C50Cl10, a planar aromatic fullerene. Computational study of ¹³ C-NMR chemical shift anisotropy patterns and aromatic properties	ALAN JOEL MIRALRIO PINEDA LUIS ENRIQUE SANSORES CUEVAS King B. et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2018
17	Intermediates for Larger Endohedral Metallofullerenes: Theoretical Characterization of M@C-44 Species	ALAN JOEL MIRALRIO PINEDA LUIS ENRIQUE SANSORES CUEVAS Muñoz-Castro A. et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2018
18	Are Small Quasi-Fullerenes Capable of Encapsulating Trimetallic Nitrides A3-xBxN (A, B =Sc, Y, La, x=0-3)? A DFT Study	CHRISTIAN ALEJANDRO CELAYA LOPEZ MIGUEL REINA TAPIA JESUS MUÑIZ SORIA et al.	Chemistryselec t	2018
19	Theoretical study of the stability and properties of magic numbers (m = 5, n = 2) and (m = 6, n = 3) of bimetallic bismuth-copper nanoclusters; Bim Cun	ALAN JOEL MIRALRIO PINEDA LUIS ENRIQUE SANSORES CUEVAS FRANCISCO JAVIER MARTINEZ FARIAS et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2017
20	Complexes of graphene nanoribbons with porphyrins and metal-encapsulated C28 as molecular rectifiers: a theoretical study	CARLOS FILIBERTO MONTIEL TINAJERO ALAN JOEL MIRALRIO PINEDA LUIS ENRIQUE SANSORES CUEVAS et al.	MOLECULAR SIMULATION	2017
21	Diamondoid metallic complexes as an alternative to capture N-2: A DFT study	ANGELICA ESTRELLA RAMOS PEÑA LUIS ENRIQUE SANSORES CUEVAS ROBERTO RENE SALCEDO PINTOS et al.	COMPUTATIONA L AND THEORETICAL CHEMISTRY	2017
22	New nanostructures of carbon: Quasi-fullerenes Cn-q (n=20, 42, 48, 60)	LUIS ENRIQUE SANSORES CUEVAS Celaya, C.A. Muñiz, J.	COMPUTATIONA L AND THEORETICAL CHEMISTRY	2017
23	On the search of stable, aromatic and ionic endohedral compounds of C28: A theoretical study	ALAN JOEL MIRALRIO PINEDA LUIS ENRIQUE SANSORES CUEVAS	COMPUTATIONA L AND THEORETICAL CHEMISTRY	2016
24	TTF derivative of 2,5-aromatic disubstituted pyrrole, synthesis and electronic study	LIUDMILA FOMINA MONSERRAT BIZARRO SORDO VIRGINIA GOMEZ VIDALES et al.	JOURNAL OF MOLECULAR STRUCTURE	2016
25	Density functional theory study of the reactivity and electronic structure of the transesterification of triacetin in biodiesel production via a sulfated zirconia heterogeneous catalysis	JESUS MUÑIZ SORIA LUIS ENRIQUE SANSORES CUEVAS Castillo, Roger et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2016

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26	Study of the interplay between N-graphene defects and small Pd clusters for enhanced hydrogen storage via a spill-over mechanism	LUIS ENRIQUE SANSORES CUEVAS Rangel, E. Vallejo, E. et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2016
27	Study of the electronic structure of Ag, Au, Pt and Pd clusters adsorption on graphene and their effect on conductivity	ROXANA MITZAYE DEL CASTILLO VAZQUEZ LUIS ENRIQUE SANSORES CUEVAS	EUROPEAN PHYSICAL JOURNAL B	2015
28	Symmetric nested complexes of fullerenes	Naveicy Mar LUIS ENRIQUE SANSORES CUEVAS STEPHEN MUHL SAUNDERS et al.	JOURNAL OF MOLECULAR MODELING	2015
29	Theoretical study of hydrogen adsorption on nitrogen doped graphene decorated with palladium clusters	E. Rangel LUIS ENRIQUE SANSORES CUEVAS	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2014
30	Iron complexes of nanodiamond: Theoretical approach	Naveicy Mar LUIS ENRIQUE SANSORES CUEVAS ANGELICA ESTRELLA RAMOS PEÑA et al.	COMPUTATIONAL AND THEORETICAL CHEMISTRY	2014
31	Electronic structure and stability of binary and ternary aluminum-bismuth-nitrogen nanoclusters	ALAN JOEL MIRALRIO PINEDA LUIS ENRIQUE SANSORES CUEVAS	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2014
32	Electronic properties of hyperbranched compounds derived by pyrrole	LIODMILA FOMINA JORGE GODINEZ SANCHEZ LUIS ENRIQUE SANSORES CUEVAS et al.	JOURNAL OF MOLECULAR STRUCTURE	2014
33	A theoretical study of the interaction of hydrogen and oxygen with palladium or gold adsorbed on pyridine-like nitrogen-doped graphene	EDUARDO RANGEL CORTES LUIS FERNANDO MAGAÑA SOLIS LUIS ENRIQUE SANSORES CUEVAS	Chemphyschem	2014
34	Novel hyperbranched molecules containing pyrrole units from diacetylene compounds and their electronic properties	LIODMILA FOMINA JORGE GODINEZ SANCHEZ LUIS ENRIQUE SANSORES CUEVAS et al.	Materials Research Society Symposium Proceedings	2014
35	The role of aromaticity on the building of nanohybrid materials functionalized with metalated (Au(III), Ag(III), Cu(III)) extended porphyrins and single-walled carbon nanohorns: A theoretical study	LUIS ENRIQUE SANSORES CUEVAS Muniz, Jesus Olea, Alfredo et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2013

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36	Theoretical study on the electronic structure and reactivity of the series of compounds $[Au_3X_3M_2]$, with X 5 H, F, Cl, Br, I and m 5 Li, Na, K, Rb, Cs: The quest for novel catalytic nanomaterials	LUIS ENRIQUE SANSORES CUEVAS Muniz, Jesus Castillo, Roger	THEORETICAL CHEMISTRY ACCOUNTS	2013
37	Theoretical study of the electronic structure of gold clusters over graphene	ALAN JOEL MIRALRIO PINEDA LUIS ENRIQUE SANSORES CUEVAS	Abstracts Of Papers Of The American Chemical Society	2013
38	Theoretical study of neutral bismuth-copper, bismuth-silver and bismuth-gold clusters	EDUARDO RANGEL CORTES LUIS ENRIQUE SANSORES CUEVAS	EUROPEAN PHYSICAL JOURNAL D	2013
39	Generation of hydrogen peroxide on a pyridine-like nitrogen-nickel doped graphene surface	LUIS FERNANDO MAGAÑA SOLIS LUIS ENRIQUE SANSORES CUEVAS GERARDO JORGE VAZQUEZ FONSECA et al.	Materials Research Society Symposium Proceedings	2013
40	Ab initio simulations of p-type porous silicon nanostructures	EMILYE ROSAS LANDA LOUSTAU JESUS ANTONIO DEL RIO PORTILLA LUIS ENRIQUE SANSORES CUEVAS et al.	Journal Of Nanostructure In Chemistry	2013
41	Hybridization vs. Bond Stretching Isomerism in Ru(II) Cyclometalated Complexes of 2-Phenylpyridine	BERTHA MOLINA BRITO LARISSA ALEXANDROVA RONAN MARIE LE LAGADEC et al.	Molecules	2012
42	Theoretical Study of the Electronic Properties of Silicon Nanocrystals Partially Passivated with Cl and F	ANGELICA ESTRELLA RAMOS PEÑA BETSABEE MAREL MONROY PELAEZ JUAN CARLOS ALONSO HUITRON et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2012
43	Ab initio simulation of p-type silicon crystals	CATHERINE EMILIE LOUSTAU LABOURDETTE JESUS ANTONIO DEL RIO PORTILLA JULIA TAGUEÑA PARGA et al.	SOLID STATE COMMUNICATIO NS	2012
44	Interaction between an icosahedron Li-13 cluster and a graphene layer doped with a hydrogen atom	EDUARDO RANGEL CORTES GERARDO JORGE VAZQUEZ FONSECA LUIS FERNANDO MAGAÑA SOLIS et al.	JOURNAL OF MOLECULAR MODELING	2012
45	Aromaticity in cyanuric acid	Liliana Perez Manriquez ARMANDO DANIEL CABRERA ORTIZ LUIS ENRIQUE SANSORES CUEVAS et al.	JOURNAL OF MOLECULAR MODELING	2011

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46	Effects of the Au(I)-Au(I) Closed-Shell Attraction on the Electronic and Phosphorescent Properties in a Series of Coordination Compounds: A Theoretical Study	LUIS ENRIQUE SANSORES CUEVAS Muniz, Jesus Reyes-Nava, J. A. et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2011
47	Electronic Structure of Silicon Nanocrystals Passivated with Nitrogen and Chlorine	ANA MARIA MARTINEZ VAZQUEZ JUAN CARLOS ALONSO HUITRON LUIS ENRIQUE SANSORES CUEVAS et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2010
48	Oligomerization of 3,5-Dimethyl Benzyl Alcohol Promoted by Clay: Experimental and Theoretical Study	Jose Antonio Morales Serna Luis E. Lopez Duran FRANCISCO MIGUEL DE JESUS CASTRO MARTINEZ et al.	Molecules	2010
49	Theoretical study of Au(I)-Ag(I) metallophilic attractions and luminescence of [Au-2(carb)(2)Ag(mu-3,5-Ph(2)pz)] (with Ph = phenyl, pz = pyrazolate) and [Au(im)CH3(pz)Ag-2(mu-3,	JESUS MUÑIZ SORIA LUIS ENRIQUE SANSORES CUEVAS ANETTE IRLANDA ROJANO ROSALES et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	2009
50	Theoretical study on the series of [Au3Cl3M2] complexes, with M = Li, Na, K, Rb, Cs	JESUS MUÑIZ SORIA LUIS ENRIQUE SANSORES CUEVAS ANA MARIA MARTINEZ VAZQUEZ et al.	JOURNAL OF MOLECULAR MODELING	2009
51	Theoretical study of the novel sandwich compound [Au3Cl3Tr2](2+)	JESUS MUÑIZ SORIA LUIS ENRIQUE SANSORES CUEVAS ROBERTO RENE SALCEDO PINTOS et al.	JOURNAL OF MOLECULAR MODELING	2008
52	Electronic analysis of vanadium and iron complexes containing distorted aromatic rings	IRINEO PEDRO ZARAGOZA RIVERA ROBERTO RENE SALCEDO PINTOS ULISES MIRANDA ORDOÑEZ et al.	JOURNAL OF MOLECULAR MODELING	2008
53	Theoretical Study of Vanadium Oxides Interaction with Y-Zeolite	M. Arroyo LUIS ENRIQUE SANSORES CUEVAS Montoya, J. A. et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2008
54	Electronic structure and luminescence of [AuS2PPh(OCH2CH{double bond, long}CH2)]2 complex	LUIS ENRIQUE SANSORES CUEVAS Muñiz J. ROBERTO RENE SALCEDO PINTOS et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	2007
55	Electronic structure of triangular trigold(I) complexes. A theoretical study	LUIS ENRIQUE SANSORES CUEVAS Mireles N. ROBERTO RENE SALCEDO PINTOS et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	2006
56	A theoretical study of aromaticity in 1,2-diaza and 1,2-diphosphacyclooctatetraenes and their role as ligands in organometallic compounds	ROBERTO RENE SALCEDO PINTOS ANA MARIA MARTINEZ VAZQUEZ PATRICIA GUADARRAMA ACOSTA et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	2006

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57	Band structure and bulk modulus calculations of germanium carbide	LUIS ENRIQUE SANSORES CUEVAS Mahmood A.	JOURNAL OF MATERIALS RESEARCH	2005
58	Theoretical analysis of the fluxional behaviour of cyclooctatetraene Ru and Ni complexes	ANA MARIA MARTINEZ VAZQUEZ LUIS ENRIQUE SANSORES CUEVAS LAURA MARIA GASQUE SILVA et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	2005
59	Superacid-catalyzed polycondensation of acenaphthenequinone with aromatic hydrocarbons	MIKHAIL ZOLOTUKHIN SERGUEI FOMINE ROBERTO RENE SALCEDO PINTOS et al.	Macromolecules	2005
60	[8]Circulene. Theoretical approach	ROBERTO RENE SALCEDO PINTOS LUIS ENRIQUE SANSORES CUEVAS Picazo A. et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	2004
61	Bulk modulus calculations for group-IV carbides and group-III nitrides	LUIS ENRIQUE SANSORES CUEVAS JESUS LEONARDO HEIRAS AGUIRRE Mahmood A.	MODERN PHYSICS LETTERS B	2004
62	Electronic structure and luminescence of [Au(4,6-Me ₂ pym-2-S)] ₂ and Au(4,6-Me ₂ pym-2-S)(4,6-Me ₂ pymH-2-S)	LUIS ENRIQUE SANSORES CUEVAS ROBERTO RENE SALCEDO PINTOS ANA MARIA MARTINEZ VAZQUEZ	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	2004
63	Superelectrophiles in polymer chemistry. A novel, one-pot synthesis of high-T _g , high-temperature polymers	MIKHAIL ZOLOTUKHIN LIOUDMILA FOMINA ROBERTO RENE SALCEDO PINTOS et al.	Macromolecules	2004
64	Theoretical study of 4-, 5-, 6-, and 7-member ring superphane cages with a metal atom inside	LUIS ENRIQUE SANSORES CUEVAS ANA MARIA MARTINEZ VAZQUEZ ROBERTO RENE SALCEDO PINTOS et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2003
65	Benzene fused five-membered heterocycles. A theoretical approach	ANA MARIA MARTINEZ VAZQUEZ LUIS ENRIQUE SANSORES CUEVAS ROBERTO RENE SALCEDO PINTOS et al.	Tetrahedron	2003
66	Journal of Non-Crystalline Solids: Foreword	LUIS ENRIQUE SANSORES CUEVAS Tagueña J. Valenzuela R.	JOURNAL OF NON-CRYSTALLINE SOLIDS	2003
67	Theoretical study of the luminescence effects in trinuclear silver organometallic compounds	ROBERTO RENE SALCEDO PINTOS LUIS ENRIQUE SANSORES CUEVAS ANA MARIA MARTINEZ VAZQUEZ	Materials Research Society Symposium Proceedings	2002

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68	Al ₃ O _n and Al ₃ O _n - (n = 1-3) clusters: Structures, photoelectron spectra, harmonic vibrational frequencies, and atomic charges	LUIS ENRIQUE SANSORES CUEVAS ROBERTO SALCEDO HERNANDEZ Tenorio F.J. et al.	JOURNAL OF PHYSICAL CHEMISTRY A	2002
69	A density functional study of the reactivity and stability of mixed copper complexes. Is hardness the reason?	ROBERTO SALCEDO HERNANDEZ LUIS ENRIQUE SANSORES CUEVAS LAURA MARIA GASQUE SILVA et al.	INORGANIC CHEMISTRY	2001
70	Five and nine membered (heteronines) heterocyclic molecules. Theoretical approach	LUIS ENRIQUE SANSORES CUEVAS ROBERTO RENE SALCEDO PINTOS ANA MARIA MARTINEZ VAZQUEZ	Tetrahedron	2001
71	The metal nature effects in cryopolymerized metalated poly-p-xylylene	LARISSA ALEXANDROVA LUIS ENRIQUE SANSORES CUEVAS Martinez E. et al.	Polymer	2001
72	Dependency of reactive magnetron-sputtered SiC film quality on the deposition parameters	STEPHEN MUHL SAUNDERS LUIS ENRIQUE SANSORES CUEVAS Mahmood A. et al.	Thin Solid Films	2000
73	Theoretical description of aromaticity in superphane gages	ROBERTO RENE SALCEDO PINTOS LUIS ENRIQUE SANSORES CUEVAS ANA MARIA MARTINEZ VAZQUEZ et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2000
74	Electronic structure of Ge ₃ N ₄ possible structures	BERTHA MOLINA BRITO LUIS ENRIQUE SANSORES CUEVAS	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2000
75	Theoretical study of the electronic structure and luminescence of trinuclear gold complex	LUIS ENRIQUE SANSORES CUEVAS Flores H. ROBERTO RENE SALCEDO PINTOS et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	2000
76	Superstructure determination of the perovskite β -La _{0.33} NbO ₃	MARIA ELENA DEL REFUGIO VILLAFUERTE Y CASTREJON LUIS ENRIQUE SANSORES CUEVAS LAURO BUCIO GALINDO et al.	JOURNAL OF MATERIALS SCIENCE	2000
77	Clay promoted oligomerisation of benzylic alcohols via EAS pathway: A theoretical study	MANUEL DE JESUS SALMON SALAZAR ARMANDO DANIEL CABRERA ORTIZ LUIS ENRIQUE SANSORES CUEVAS et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	2000
78	Mechanism of biologically relevant deoxygenation of dimethyl sulfoxide coupled with Pt(II) to Pt(IV) oxidation of orthoplatinated oximes. Synthetic, kinetic, electrochemical, X-ray structural, and density functional study	LARISSA ALEXANDROVA LUIS ENRIQUE SANSORES CUEVAS D'Yachenko O.G. et al.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	2000

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79	Manganese (I) complexes of p-xylene and [2n] cyclophanes from a theoretical sight	ROBERTO RENE SALCEDO PINTOS LUIS ENRIQUE SANSORES CUEVAS ANA MARIA MARTINEZ VAZQUEZ et al.	JOURNAL OF ORGANOMETALLIC CHEMISTRY	2000
80	Theoretical description of luminescent effects in β,β -Di(4'-formylphenylethynyl)-4-ethynylstyrene	ROBERTO RENE SALCEDO PINTOS PATRICIA GUADARRAMA ACOSTA LUIS ENRIQUE SANSORES CUEVAS et al.	Materials Research Society Symposium Proceedings	1999
81	Electronic structure of six phases of C ₃ N ₄ . A theoretical approach	BERTHA MOLINA BRITO LUIS ENRIQUE SANSORES CUEVAS	MODERN PHYSICS LETTERS B	1999
82	Crystal structure refinement of the ferroelectric ceramic compound Sm ₂ Bi ₂ Ti ₃ O ₁₂	MARIA ELENA DEL REFUGIO VILLAFUERTE Y CASTREJON LUIS ENRIQUE SANSORES CUEVAS Alvarez-Fregoso O. et al.	POWDER DIFFRACTION	1998
83	Electronic structure of C ₄₀ possible structures	ROBERTO RENE SALCEDO PINTOS LUIS ENRIQUE SANSORES CUEVAS	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1998
84	Stability of centrohexaindane	ROBERTO RENE SALCEDO PINTOS LUIS ENRIQUE SANSORES CUEVAS PATRICIA GUADARRAMA ACOSTA	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1998
85	Theoretical study about the radicals and anions of [8]annulenes	ROBERTO RENE SALCEDO PINTOS LUIS ENRIQUE SANSORES CUEVAS LIOUDMILA FOMINA	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1997
86	Electronic structure study of planar conjugated eight-membered ring compounds	LUIS ENRIQUE SANSORES CUEVAS ROBERTO RENE SALCEDO PINTOS LIOUDMILA FOMINA et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1997
87	Characterization of UO ₂ 2+ exchanged Y zeolite	MARIA ELENA DEL REFUGIO VILLAFUERTE Y CASTREJON LUIS ENRIQUE SANSORES CUEVAS PEDRO BOSCH GIRAL et al.	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY	1997
88	The energy gap in α -Si _{1-x} C _x : H alloys	ARIEL ALBERTO VALLADARES CLEMENTE ALEXANDER VALLADARES MC NELIS LUIS ENRIQUE SANSORES CUEVAS et al.	PHYSICS LETTERS A	1997

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89	Synthesis and characterization of novel polyesters and polyurethanes containing 9,10-diethynylantracene and pyromellitic diimide	SERGUEI FOMINE LIOUDMILA FOMINA ROBERTO RENE SALCEDO PINTOS et al.	POLYMER JOURNAL	1996
90	Theoretical simulation of the topochemical polymerization of some diacetylene molecules	ROBERTO RENE SALCEDO PINTOS LUIS ENRIQUE SANSORES CUEVAS ARIEL ALBERTO VALLADARES CLEMENTE et al.	Polymer	1996
91	On the aromaticity of a nonafulvene	LIOUDMILA FOMINA LUIS ENRIQUE SANSORES CUEVAS ROBERTO RENE SALCEDO PINTOS	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1996
92	Amorphous clusters. III. The electronic structure of Si clusters with B and Al impurities	JUAN ANTONIO COGORDAN RAMIREZ LUIS ENRIQUE SANSORES CUEVAS ALEXANDER VALLADARES MC NELIS	JOURNAL OF NON-CRYSTALLINE SOLIDS	1995
93	Amorphous clusters: the electronic structure of Ge clusters with B and Al impurities	LUIS ENRIQUE SANSORES CUEVAS ALEXANDER VALLADARES MC NELIS	JOURNAL OF NON-CRYSTALLINE SOLIDS	1995
94	Cluster calculations of B and Al impurities in amorphous silicon	JUAN ANTONIO COGORDAN RAMIREZ LUIS ENRIQUE SANSORES CUEVAS ALEXANDER VALLADARES MC NELIS	Materials Research Society Symposium Proceedings	1993
95	Amorphous clusters I. Electronic structure of Si clusters with N, P and As dopants	LUIS ENRIQUE SANSORES CUEVAS RENELA MARIA VALLADARES MC NELIS JUAN ANTONIO COGORDAN RAMIREZ et al.	JOURNAL OF NON-CRYSTALLINE SOLIDS	1992
96	Amorphous clusters. II. Electronic structure of Ge clusters with N, P, and As impurities	LUIS ENRIQUE SANSORES CUEVAS RENELA MARIA VALLADARES MC NELIS ALEXANDER VALLADARES MC NELIS	JOURNAL OF NON-CRYSTALLINE SOLIDS	1992
97	A cluster calculation of group IV impurities in Si and Ge	JULIA TAGUEÑA PARGA RAFAEL ANGEL BARRIO PAREDES LUIS ENRIQUE SANSORES CUEVAS et al.	JOURNAL OF NON-CRYSTALLINE SOLIDS	1989
98	A critical discussion of the very high photoconductivity in chemically deposited cadmium sulfide thin films: Implications for solar cell technology	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY LUIS ENRIQUE SANSORES CUEVAS nair M.T.S. et al.	Solar Cells	1987
99	Carbon in silicon: a cluster calculation	RAFAEL ANGEL BARRIO PAREDES JULIA TAGUEÑA PARGA LUIS ENRIQUE SANSORES CUEVAS	JOURNAL OF NON-CRYSTALLINE SOLIDS	1987
100	Bond CPA for hydrogenated amorphous silicon	RAFAEL ANGEL BARRIO PAREDES LUIS ENRIQUE SANSORES CUEVAS Elliott R.J.	JOURNAL OF NON-CRYSTALLINE SOLIDS	1983

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101	CNDO approach to amorphous silicon and to hydrogenated and fluorinated amorphous silicon	JULIA TAGUEÑA PARGA LUIS ENRIQUE SANSORES CUEVAS Cetina E.A.	PHYSICAL REVIEW B	1983
102	Phonons in PdAg _{1-y} Dx	LUIS ENRIQUE SANSORES CUEVAS AARON SANCHEZ JUAREZ JULIA TAGUEÑA PARGA et al.	Journal Of Physics C: Solid State Physics	1983
103	Lattice dynamics of PdDx and PdHx	LUIS ENRIQUE SANSORES CUEVAS JULIA TAGUEÑA PARGA Tahir-Kheli R.A.	Journal Of Physics C: Solid State Physics	1982
104	ITO-SILICON NITRIDE-SILICON TUNNELING SOLAR CELLS UNDER CONCENTRATED LIGHT ILLUMINATION.	LUIS ENRIQUE SANSORES CUEVAS JULIA TAGUEÑA PARGA Myszkowski Andrzej	IEEE Photovoltaic Specialists Conference	1981
105	The specific heat and critical magnetic field of superconducting PdH(D)	LUIS ENRIQUE SANSORES CUEVAS JULIA TAGUEÑA PARGA AARON SANCHEZ JUAREZ	JOURNAL OF LOW TEMPERATURE PHYSICS	1981
106	Tunneling solar cell under concentrated light illumination	LUIS ENRIQUE SANSORES CUEVAS JULIA TAGUEÑA PARGA Myszkowski A.	JOURNAL OF APPLIED PHYSICS	1981
107	Some properties of superconducting PdH(D) from an off-diagonal CPA phonon spectrum	AARON SANCHEZ JUAREZ LUIS ENRIQUE SANSORES CUEVAS Tagu and Tagueña-Martínez J.	PHYSICA B & C	1981
108	Spin waves in a Heisenberg antiferromagnet at finite temperature using the coherent potential approximation	JULIA TAGUEÑA PARGA LUIS ENRIQUE SANSORES CUEVAS Elliott R.J.	JOURNAL OF APPLIED PHYSICS	1979
109	Excitations in the Heisenberg antiferromagnet at finite temperature using coherent potential approximation	JULIA TAGUEÑA PARGA LUIS ENRIQUE SANSORES CUEVAS Elliott R.J.	Journal Of Physics C: Solid State Physics	1979
110	Excitations in the anisotropic Heisenberg antiferromagnet at finite temperature using the coherent potential approximation	JULIA TAGUEÑA PARGA LUIS ENRIQUE SANSORES CUEVAS Silva N.R.	Journal Of Physics C: Solid State Physics	1979
111	Formation and growth of F-centers in Cd-doped NaCl crystals thermoluminescence studies	LUIS ENRIQUE SANSORES CUEVAS EDUARDO ADALBERTO MUÑOZ PICONE Valladares A.A.	PHYSICS LETTERS A	1973

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

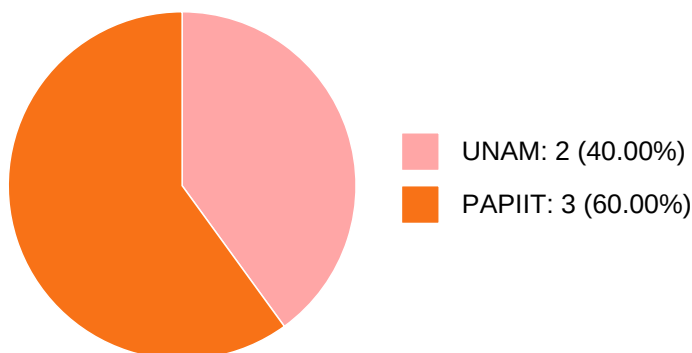


#	Título	Autores	Alcance	Año	ISBN
1	Simposio 12: Estrategias de Vinculación Academia-Industria	LUIS ENRIQUE SANSORES CUEVAS	Libro Completo	2012	9786079221010
2	Simposio 10: Estrategias de vinculación academia-industria	LUIS ENRIQUE SANSORES CUEVAS	Libro Completo	2011	9786079221003
3	Ingeniería de Materiales	LUIS ENRIQUE SANSORES CUEVAS	Capítulo de un Libro	2010	9786074771374
4	Cosmos. Ingeniería.	LUIS ENRIQUE SANSORES CUEVAS	Libro Completo	2009	9786074771626
5	Cosmos. Ingeniería	LUIS ENRIQUE SANSORES CUEVAS	Libro Completo	2009	9786074771602
6	SELF CONSISTENT SOLUTION FOR ELECTRONS IN α -Si.	RAFAEL ANGEL BARRIO PAREDES JULIA TAGUEÑA PARGA LUIS ENRIQUE SANSORES CUEVAS et al.	Conferencia e Paper	1985	0387961089

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

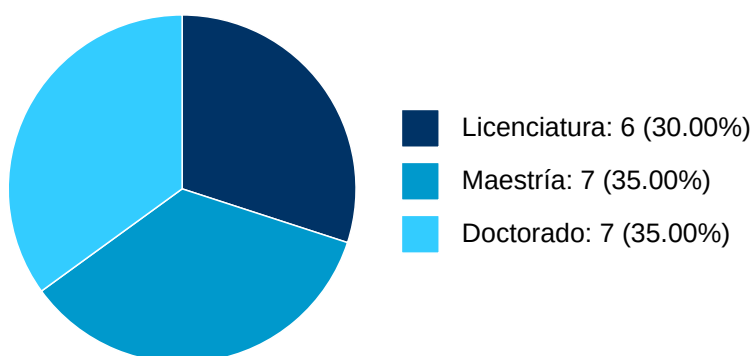


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Propiedades electrónicas y fonónicas de materiales iii.	LUIS ENRIQUE SANSORES CUEVAS	Presupuesto de la UNAM asignado a la Dependencia	01-01-2018	31-12-2021
2	Estudio teórico de la estructura electrónica de fulerenos y cuasi-fulerenos endoedrales pequeños	LUIS ENRIQUE SANSORES CUEVAS	Recursos PAPIIT	01-01-2016	31-12-2018
3	Estudio teórico de nuevos nanomateriales bidimensionales: La búsqueda de catalizadores basados en carbón-metal.	LUIS ENRIQUE SANSORES CUEVAS	Recursos PAPIIT	01-01-2020	31-12-2022
4	Propiedades electrónicas y fonónicas de materiales iii.	LUIS ENRIQUE SANSORES CUEVAS	Presupuesto de la UNAM asignado a la Dependencia	01-01-2022	31-12-2025
5	Estudio teórico de materiales bidimensionales con aplicaciones en catálisis y almacenamiento de energía	LUIS ENRIQUE SANSORES CUEVAS	Recursos PAPIIT	01-01-2024	31-12-2026

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Estudio teórico de la interacción de amino-glucósidos y complejos de oro con secuencias del DIS de VIH	Tesis de Doctorado	BERTHA MOLINA BRITO,	LUIS ENRIQUE SANSORES CUEVAS, JORGE RAMON SOTO MERCADO, et al.	Facultad de Ciencias, Instituto de Investigaciones en Materiales,	2020
2	Estudio teórico de nuevos sustratos de carbono, derivados del grafino- \gamma	Tesis de Doctorado	LUIS ENRIQUE SANSORES CUEVAS,	Celaya López, Christian Alejandro,	Instituto de Investigaciones en Materiales,	2020
3	Estudio teórico de la estructura electrónica de los fulerenos C28 y C36 con átomos endoedrales	Tesis de Doctorado	LUIS ENRIQUE SANSORES CUEVAS,	Miralrio Pineda, Alan Joel,	Instituto de Investigaciones en Materiales,	2017
4	Estudio teórico de las nanoestructuras de cuasi-fulerenos cn-q (n=20, 23, 42, 48, 60)	Tesis de Maestría	LUIS ENRIQUE SANSORES CUEVAS,	Celaya López, Christian Alejandro,	Instituto de Investigaciones en Materiales,	2016

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5	Conductividad balística en grafeno	Tesis de Doctorado	CHUMIN WANG CHEN,	LUIS ENRIQUE SANSORES CUEVAS, Castillo Vázquez, Roxana Mitzaye del,	Instituto de Investigaciones en Materiales,	2016
6	Síntesis y estudio de esferas de SiO ₂ y de esferas mesoporosas de SiO ₂ y su fotoluminiscencia al impregnarlas con Eu ³⁺	Tesis de Maestría	JORGE ALFONSO GARCIA MACEDO,	LUIS ENRIQUE SANSORES CUEVAS, MARIA ELENA DEL REFUGIO VILLAFUERTE Y CASTREJON, et al.	Facultad de Química, Instituto de Física, Instituto de Investigaciones en Materiales,	2014
7	Definiciones puntuales y descripción de perspectivas de gadolinio en campos magnéticos para aplicaciones médicas y energéticas	Tesis de Maestría	JORGE ANTONIO ASCENCIO GUTIERREZ,	LORENZO MARTINEZ GOMEZ, LUIS ENRIQUE SANSORES CUEVAS, et al.	Instituto de Ciencias Físicas, Instituto de Investigaciones en Materiales,	2014
8	Estructura electrónica de nanocúmulos de alxbynz	Tesis de Maestría	LUIS ENRIQUE SANSORES CUEVAS,	Miralrio Pineda, Alan Joel,	Instituto de Investigaciones en Materiales,	2013
9	Propiedades electrónicas de porfirinas n-confundidas en interacción con átomos de oro	Tesis de Maestría	LUIS ENRIQUE SANSORES CUEVAS,	Betancourt Acosta, Barbara Marlene,	Instituto de Investigaciones en Materiales,	2012
10	Estructura electrónica de cúmulos de oro sobre grafeno	Tesis de Licenciatura	LUIS ENRIQUE SANSORES CUEVAS,	Miralrio Pineda, Alan Joel,	Instituto de Investigaciones en Materiales,	2011
11	Efectos aureofílicos en compuestos de coordinación	Tesis de Doctorado	LUIS ENRIQUE SANSORES CUEVAS,	Muñiz, Jesús,	Instituto de Investigaciones en Materiales,	2008
12	Estructura electronica de cumulos de oro y su interaccion con monoxido de carbono	Tesis de Licenciatura	LUIS ENRIQUE SANSORES CUEVAS,	Rojano Rosales, Anette Irlanda,		2007

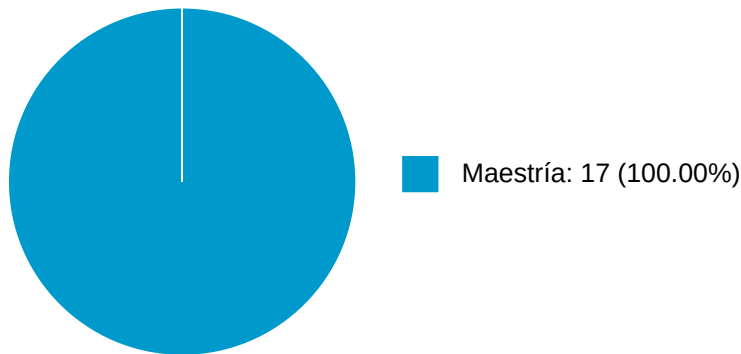
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13	Estructura electronica y propiedades elasticas de materiales ultraduros ternarios	Tesis de Doctorado	LUIS ENRIQUE SANSORES CUEVAS,	Molina Brito, Bertha,	2003
14	Preparacion, caracterizacion y estructura electronica de algunos semiconductores de brecha amplia	Tesis de Doctorado	STEPHEN MUHL SAUNDERS,	LUIS ENRIQUE SANSORES CUEVAS, Mahmmod Begum, Arshad,	2000
15	Estructura de las bandas electronicas de algunas fases del nitruro de carbono (C3N4)	Tesis de Licenciatura	LUIS ENRIQUE SANSORES CUEVAS,	Molina Brito, Bertha,	1998
16	Analisis teorico experimental de un destilador solar tipo caseta	Tesis de Licenciatura	LUIS ENRIQUE SANSORES CUEVAS,	Estrada Guerrero, Rodolfo Fabian,	1993
17	Impurezas en silicio amorfo	Tesis de Licenciatura	LUIS ENRIQUE SANSORES CUEVAS,	Valladares Mc Nelis, Renela María,	1991
18	Propiedades opticas de superficies selectivas elaboradas por pulverizacion catodica con campo magnetico para aplicaciones en E. Solar	Tesis de Maestría	LUIS ENRIQUE SANSORES CUEVAS,	Fernández Madrigal, Arturo,	1987
19	Propiedades termodinamicas del sistema pd-H (D) superconductor	Tesis de Maestría	LUIS ENRIQUE SANSORES CUEVAS,	Sánchez Mora, Ana María,	1980
20	Calor especifico de ferrimagnetos	Tesis de Licenciatura	LUIS ENRIQUE SANSORES CUEVAS,	Sánchez Mora, Ana María,	1978

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	SEMINARIO DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	6	2024-1
2	Maestría	SEMINARIO DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	4	2023-2
3	Maestría	SEMINARIO DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	5	2023-1
4	Maestría	SEMINARIO DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	10	2022-2
5	Maestría	SEMINARIO DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	13	2022-1
6	Maestría	SEMINARIO DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	13	2021-2
7	Maestría	SEMINARIO DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	7	2021-1
8	Maestría	SEMINARIO DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	2	2021-1

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9	Maestría	ALGORITMOS Y METODOS COMPUTACIONALES	Instituto de Investigaciones en Materiales	1	2017-2
10	Maestría	ALGORITMOS Y METODOS COMPUTACIONALES	Instituto de Investigaciones en Materiales	3	2015-2
11	Maestría	ALGORITMOS Y METODOS COMPUTACIONALES	Instituto de Investigaciones en Materiales	2	2015-1
12	Maestría	ALGORITMOS Y METODOS COMPUTACIONALES	Instituto de Investigaciones en Materiales	1	2014-2
13	Maestría	ALGORITMOS Y METODOS COMPUTACIONALES	Instituto de Investigaciones en Materiales	2	2013-2
14	Maestría	ALGORITMOS Y METODOS COMPUTACIONALES	Instituto de Investigaciones en Materiales	2	2012-2
15	Maestría	ALGORITMOS Y METODOS COMPUTACIONALES	Instituto de Investigaciones en Materiales	4	2011-2
16	Maestría	ALGORITMOS Y METODOS COMPUTACIONALES	Instituto de Investigaciones en Materiales	1	2010-2
17	Maestría	ALGORITMOS Y METODOS COMPUTACIONALES	Instituto de Investigaciones en Materiales	4	2009-2



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Reporte individual



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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