



Sistema Integral de Información Académica
Dirección General de Evaluación Institucional
Reporte de Producción Académica



WENCEL JOSE DE LA CRUZ HERNANDEZ

Datos Generales

Nombre: WENCEL JOSE DE LA CRUZ HERNANDEZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 21 años

Nombramientos

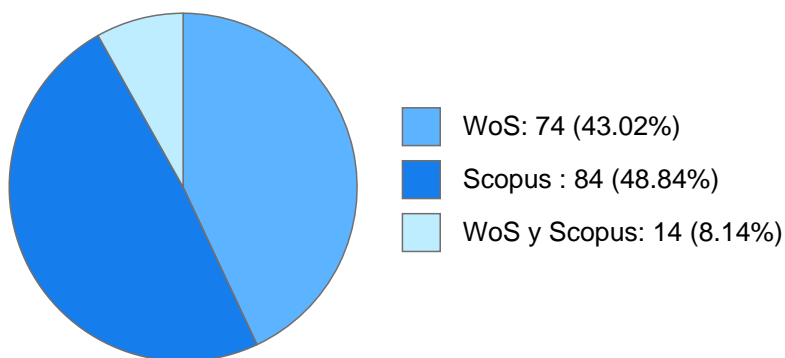
Vigente: INVESTIGADOR TITULAR A TC Definitivo
Centro de Nanociencias y Nanotecnología en la UNAM
Desde 01-10-2008

Estímulos, programas, premios y reconocimientos

SNI III 2018 - 2023
SNI II 2014 - 2017
SNI I - 2013
PRIDE C - 2022
PASPA Estancias de Investigación en el extranjero 2013

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Role of different atmosphere gasses during annealing in chemical-solution-deposition NiO thin films processing	NOEMI ABUNDIZ CISNEROS LEONEL SUSANO COTA ARAIZA WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	JOURNAL OF NON-CRYSTALLINE SOLIDS	2023
2	Linear and nonlinear properties study of silicon nitride films for integrated photonics	NOEMI ABUNDIZ CISNEROS KARINA GARAY PALMETT WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	JOURNAL OF NON-CRYSTALLINE SOLIDS	2023
3	Electrochemical Deposition of Polypyrrole in the Presence of Silanes as Adhesion Promoters	WENCEL JOSE DE LA CRUZ HERNANDEZ FELIPE FRANCISCO CASTILLON BARRAZA Castro-Beltran A. et al.	POLYMERS	2023
4	Analysis of the structural, morphological, and optical properties of Selaginella lepidophylla-mediated ZnO semiconductor nanoparticles and their influence on the photocatalytic removal of Rhodamine B dye	JOSE ERVIN SILVA GONZALEZ Alfredo Rafael Vilchis Nestor WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2023
5	Influence of single-ionized oxygen vacancies on the generation of ferromagnetism in SnO2 and SnO2:Cr nanowires	WENCEL JOSE DE LA CRUZ HERNANDEZ MANUEL HERRERA ZALDIVAR Montalvo D. et al.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2023



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6	Electrical Properties of a p-SnOx/n-SnOx Diode on a Flexible Polyimide Substrate	WENCEL JOSE DE LA CRUZ HERNANDEZ Angelica Garzon-Fontecha Harvi A. A. Castillo et al.	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	2023
7	Room temperature deposition of stable p-type ZnO:N thin films through chemical species modulation using reactive pulsed laser deposition	MARIO HUMBERTO FARIAS SANCHEZ WENCEL JOSE DE LA CRUZ HERNANDEZ Regalado-Contreras A.	APPLIED SURFACE SCIENCE	2023
8	Study of InAlN thin films deposited on silicon, ITO/PET, and ITO/GLASS substrates at room temperature for its possible use in solar cells	WENCEL JOSE DE LA CRUZ HERNANDEZ L. F. Mulcúe Nieto W. Saldarriaga et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2022
9	An integrated photonic circuit for color qubit preparation by third-order nonlinear interactions	FRANCISCO ANTONIO DOMINGUEZ SERNA WENCEL JOSE DE LA CRUZ HERNANDEZ A. L. Aguayo-Alvarado et al.	SCIENTIFIC REPORTS	2022
10	SnOx thin films with tunable conductivity for fabrication of p-n homo-junction	LEONEL SUSANO COTA ARAIZA WENCEL JOSE DE LA CRUZ HERNANDEZ Garzon-Fontecha A. et al.	SURFACE AND INTERFACE ANALYSIS	2021
11	Relationship between CH4/Ar ratio, stoichiometry, and mechanical properties of TaCx coatings produced by reactive magnetron sputtering	HARVI ALIRIO CASTILLO CUERO LEONEL SUSANO COTA ARAIZA WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	APPLIED SURFACE SCIENCE	2021
12	Effect of film thickness on morphological, structural and electrical properties of InAlN thin layers grown on glass at room temperature	WENCEL JOSE DE LA CRUZ HERNANDEZ Mulcúe L.F. Saldarriaga W.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2021
13	Influence of bilayers period on mechanical properties of TaNx/TaCx multilayers obtained by direct current magnetron sputtering	HARVI ALIRIO CASTILLO CUERO WENCEL JOSE DE LA CRUZ HERNANDEZ K. P. Valdez et al.	Thin Solid Films	2021
14	Thermally Resilient Planar Waveguides in Novel nc-YSZ Transparent Ceramic by fs Laser Pulses	WENCEL JOSE DE LA CRUZ HERNANDEZ Gabriel R. Castillo Cecilia Burshtein et al.	Frontiers In Physics	2021



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15	Effect of annealing temperature on the thermal transformation to cobalt oxide of thin films obtained via chemical solution deposition	WENCEL JOSE DE LA CRUZ HERNANDEZ Martínez-Gil M. Cabrera-German D. et al.	MATERIALS SCIENCE IN SEMICONDUCTOR OR PROCESSING	2020
16	Yttrium oxide evaluation as coating to reduce the corrosion velocity in industrial equipment working under combustion environments. Case study: Ferritic 9Cr-1Mo steel	WENCEL JOSE DE LA CRUZ HERNANDEZ Alviz-Meza A. Kafarov V. et al.	28TH INTERNATIONAL NUCLEAR PHYSICS CONFERENCE, INPC 2022	2019
17	Deposit of AlN thin films by nitrogen reactive pulsed laser ablation using an Al target	WENCEL JOSE DE LA CRUZ HERNANDEZ Conett Huerta Escamilla MARIO HUMBERTO FARIAS SANCHEZ et al.	REVISTA MEXICANA DE FISICA	2019
18	Compositional and electrical properties of Cr, Nb, Cr/Nb, CrNbN, and CrN/NbN multilayers grown using the d.c. magnetron sputtering technique	HARVI ALIRIO CASTILLO CUERO WENCEL JOSE DE LA CRUZ HERNANDEZ Garzon-Fontecha A. et al.	SURFACE AND INTERFACE ANALYSIS	2019
19	Hybrid functionalized phosphonate silica: Insight into chromium removal chemistry from aqueous solutions	WENCEL JOSE DE LA CRUZ HERNANDEZ Hernández-Velázquez P.I. Gutiérrez-Ortega J.A. et al.	Journal Of The Mexican Chemical Society	2019
20	Structural, morphological and surface properties of the samarium modified BiFeO3 perovskite	WENCEL JOSE DE LA CRUZ HERNANDEZ S. Segura Pena A. F. Cruz-Pacheco et al.	28TH INTERNATIONAL NUCLEAR PHYSICS CONFERENCE, INPC 2022	2019
21	Heavy metals on sediments of a Mexican tropical lake: chemical speciation, metal uptake capacity, and chemical states	GREGORIO GUADALUPE CARBAJAL ARIZAGA WENCEL JOSE DE LA CRUZ HERNANDEZ Lopez-Herrera y Cairo F. et al.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2019
22	Synthesis and surface characterization of the La _{0.7-x} Pr _x Ca _{0.3} MnO ₃ (LPCM) perovskite by a non-conventional microwave irradiation method	WENCEL JOSE DE LA CRUZ HERNANDEZ A. C. Ferrel-Alvarez M. A. Dominguez-Crespo et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2018
23	Fully patterned p-channel SnO TFTs using transparent Al ₂ O ₃ gate insulator and ITO as source and drain contacts	WENCEL JOSE DE LA CRUZ HERNANDEZ D. E. Guzman-Caballero M. A. Quevedo-Lopez et al.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2018



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24	The role of the nitrogen flow rate on the transport properties of CrN thin films produced by DC magnetron sputtering	WENCEL JOSE DE LA CRUZ HERNANDEZ A. Garzon-Fontecha H. A. Castillo et al.	SURFACE & COATINGS TECHNOLOGY	2018
25	Structural, morphological, electrical and optical properties of amorphous InxAl1-xN thin films for photovoltaic applications	WENCEL JOSE DE LA CRUZ HERNANDEZ Mulcué Nieto L.F. Saldarriaga W. et al.	JOURNAL OF NON-CRYSTALLINE SOLIDS	2018
26	Growing mechanism and change of phase of synthesized CdSe nanoparticles	WENCEL JOSE DE LA CRUZ HERNANDEZ J. Sarmiento A E. Rosendo et al.	ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES	2018
27	CuO thin films produced for improving the adhesion between Cu and Al2O3 foils in a direct bonded copper (DBC) process	WENCEL JOSE DE LA CRUZ HERNANDEZ Castillo, H.A. Restrepo-Parra, E. et al.	JOURNAL OF ADHESION	2018
28	Detailed peak fitting analysis of the Zn 2p photoemission spectrum for metallic films and its initial oxidation stages	WENCEL JOSE DE LA CRUZ HERNANDEZ ANGEL HERRERA GOMEZ Cabrera-German, D. et al.	SURFACE AND INTERFACE ANALYSIS	2017
29	Electrical, optical, and structural characterization of p-type N-doped SnO thin films prepared by thermal oxidation of sputtered SnNx thin films	WENCEL JOSE DE LA CRUZ HERNANDEZ Garzon-Fontecha, A. Quevedo, M.	SURFACE AND INTERFACE ANALYSIS	2017
30	Morphological and chemical characterization of soot emitted during flaming combustion stage of native-wood species used for cooking process in western Mexico	GIOVANNI ALBERTO CARABALI SANDOVAL TELMA GLORIA CASTRO ROMERO WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	JOURNAL OF AEROSOL SCIENCE	2016
31	Effect of volume fraction on mechanical properties of Zr/ZrN multilayer systems	WENCEL JOSE DE LA CRUZ HERNANDEZ GUSTAVO ALONSO HIRATA FLORES Payan-Diaz, S. et al.	CERAMICS INTERNATIONAL	2016
32	Influence of HCl on the NPs-CdSe synthesis prepared by the colloidal method	WENCEL JOSE DE LA CRUZ HERNANDEZ Arellano, J.S. Vega, A.K. et al.	Journal Of Applied Research And Technology	2016
33	Synthesis of nitrogen-doped ZnO by sol-gel method: Characterization and its application on visible photocatalytic degradation of 2,4-D and picloram herbicides	WENCEL JOSE DE LA CRUZ HERNANDEZ MaciasSanchez, J. J. HinojosaReyes, L. et al.	PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES	2015

34	Computational and experimental study of copper-gold nitride formation	GERARDO SOTO HERRERA MARIA GUADALUPE MORENO ARMENTA WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2015
35	Structural, compositional and electrical characterization of Si-rich SiO _x layers suitable for application in light sensors	WENCEL JOSE DE LA CRUZ HERNANDEZ OSCAR EDEL CONTRERAS LOPEZ Herrera, R. et al.	MATERIALS SCIENCE IN SEMICONDUCTOR OR PROCESSING	2015
36	Influence of substrate temperature and N ₂ /Ar flow ratio on the stoichiometry, structure and hardness of TaN _x coatings deposited by DC reactive sputtering	MARIO HUMBERTO FARIAS SANCHEZ WENCEL JOSE DE LA CRUZ HERNANDEZ Valdez, K. et al.	SURFACE AND INTERFACE ANALYSIS	2015
37	Polymeric hydrogels obtained using a redox initiator: Application in Cu(II) ions removal from aqueous solutions	WENCEL JOSE DE LA CRUZ HERNANDEZ Luis Moran-Quiroz, Jose Orozco-Guareno, Eulogio et al.	JOURNAL OF APPLIED POLYMER SCIENCE	2014
38	Structure determination and electronic structure of Cu ₃ Au 0.5N	GERARDO SOTO HERRERA MARIA GUADALUPE MORENO ARMENTA WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2014
39	Trivalent chromium removal from aqueous solutions by a sol-gel synthesized silica adsorbent functionalized with sulphonic acid groups	WENCEL JOSE DE LA CRUZ HERNANDEZ Efraim Gomez-Gonzalez, Sergio Guadalupe Carbajal-Arizaga, Gregorio et al.	MATERIALS RESEARCH BULLETIN	2014
40	Rare earth conversion coatings grown on AA6061 aluminum alloys. Corrosion studies	AIDE MINERVA TORRES HUERTA EDGAR ONOFRE BUSTAMANTE WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	Journal Of The Mexican Chemical Society	2014
41	Effect of electrode type in the resistive switching behaviour of TiO ₂ thin films	M. Melendez Lira WENCEL JOSE DE LA CRUZ HERNANDEZ Hernandez-Rodriguez, E. et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2013
42	Stoichiometry behavior of TaN, TaCN and TaC thin films produced by magnetron sputtering	M. Vargas WENCEL JOSE DE LA CRUZ HERNANDEZ Castillo, H. A. et al.	APPLIED SURFACE SCIENCE	2013
43	Morphology of ferromagnetic cobalt nanoparticles grown on Al ₂ O ₃ (0001) by pulsed laser deposition	WENCEL JOSE DE LA CRUZ HERNANDEZ LEONEL SUSANO COTA ARAIZA Gallardo-Vega C. et al.	Journal of Advanced Microscopy Research	2013



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44	Bath conditions role in promoting corrosion protection on aluminum alloy using rare earth conversion coatings	WENCEL JOSE DE LA CRUZ HERNANDEZ Brachetti-Sibaja, S. B. Dominguez-Crespo, M. A. et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2012
45	First principles calculations of interstitial and lamellar rhenium nitrides	GERARDO SOTO HERRERA HUGO JESUS TIZNADO VAZQUEZ A. Reyes et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2012
46	TiO ₂ and Al ₂ O ₃ ultra thin nanolaminates growth by ALD; instrument automation and films characterization	HUGO JESUS TIZNADO VAZQUEZ DAVID ALEJANDRO DOMINGUEZ VARGAS WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	REVISTA MEXICANA DE FISICA	2012
47	Substrate temperature influence on boron carbide coatings grown by the PLD technique	WENCEL JOSE DE LA CRUZ HERNANDEZ Castillo, H. A. Restrepo-Parra, E. et al.	SURFACE & COATINGS TECHNOLOGY	2011
48	Cu (II) removal from tequila using an ion-exchange resin	WENCEL JOSE DE LA CRUZ HERNANDEZ Carreon-Alvarez, Alejandra Herrera-Gonzalez, Azucena et al.	FOOD CHEMISTRY	2011
49	Optical Properties of ZnO Nanoparticles on the Porous Structure of Mordenites and ZSM-5	A. Susarrey Arce VITALI PETRANOVSKI AFANASIEVNA WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2011
50	Use of AES in corrosion of copper connectors of electronic devices and equipments in arid and marine environments	HUGO JESUS TIZNADO VAZQUEZ GERARDO SOTO HERRERA WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	ANTI-CORROSION METHODS AND MATERIALS	2011
51	XPS and EIS studies of sputtered Al-Ce films formed on AA6061 aluminum alloy in 3.5% NaCl solution	SANDRA ELIZABETH RODIL POSADA WENCEL JOSE DE LA CRUZ HERNANDEZ Dominguez-Crespo, M. A. et al.	JOURNAL OF APPLIED ELECTROCHEMISTRY	2010
52	Morphological evolution of pulsed laser deposited ZrO ₂ thin films	L. O. Prieto Lopez WENCEL JOSE DE LA CRUZ HERNANDEZ Alvarez, R. et al.	JOURNAL OF APPLIED PHYSICS	2010
53	Synthesis and characterization of cubic BC ₂ N grown by reactive laser ablation	GERARDO SOTO HERRERA WENCEL JOSE DE LA CRUZ HERNANDEZ Castillo, H. A. et al.	SURFACE & COATINGS TECHNOLOGY	2010
54	Influence of deposition temperature on the structural and morphological properties of Be ₃ N ₂ thin films grown by reactive laser ablation	F. Chale Lara MARIO HUMBERTO FARIAS SANCHEZ WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	APPLIED SURFACE SCIENCE	2010



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55	Removal of Cu(II) ions from aqueous streams using poly(acrylic acid-co-acrylamide) hydrogels	WENCEL JOSE DE LA CRUZ HERNANDEZ Orozco-Guareno, Eulogio Santiago-Gutierrez, Fernanda et al.	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2010
56	Synthesis of Hybrid Adsorbents Combining Sol-Gel Processing and Molecular Imprinting Applied to Lead Removal from Aqueous Streams	WENCEL JOSE DE LA CRUZ HERNANDEZ Quirarte-Escalante, Carlos A. Soto, Victor et al.	CHEMISTRY OF MATERIALS	2009
57	Cathodoluminescence Quenching in Yb-doped ZnO Nanostructures	A. Susarrey Arce MANUEL HERRERA ZALDIVAR WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	JOURNAL OF NANO RESEARCH	2009
58	Optical properties of Zr and ZrO ₂ films deposited by laser ablation	L. O. Prieto Lopez ROBERTO MACHORRO MEJIA WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	MICROELECTRO N J	2008
59	Growth mechanism of iron nanoparticles on (0001) sapphire wafers	WENCEL JOSE DE LA CRUZ HERNANDEZ LEONEL SUSANO COTA ARAIZA Gallardo-Vega, C. et al.	MICROELECTRO N J	2008
60	Electron inelastic mean free path for B(4)C and BC(2)N determined by reflection electron energy loss spectroscopy	GERARDO SOTO HERRERA JESUS ANTONIO DIAZ HERNANDEZ WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	MICROELECTRO N J	2008
61	First nucleation steps of nickel nanoparticle growth on Al ₂ O ₃ (0001) studied by XPS inelastic peak shape analysis	WENCEL JOSE DE LA CRUZ HERNANDEZ LEONEL SUSANO COTA ARAIZA Gallardo-Vega, C. et al.	APPLIED SURFACE SCIENCE	2008
62	First nucleation steps during deposition of SiO ₂ thin films by plasma enhanced chemical vapour deposition	WENCEL JOSE DE LA CRUZ HERNANDEZ Dudeck D. Yanguas-Gil A. et al.	SURFACE SCIENCE	2007
63	Surface characterization of electrodeposited silver on activated carbon for bactericidal purposes	WENCEL JOSE DE LA CRUZ HERNANDEZ Ortiz-Ibarra H. Casillas N. et al.	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2007
64	Characterization of rhenium nitride films produced by reactive pulsed laser deposition	GERARDO SOTO HERRERA MARIO HUMBERTO FARIAS SANCHEZ WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	MATERIALS CHARACTERIZATION	2007
65	Electron inelastic mean free paths: Influence of the modelling energy-loss function	WENCEL JOSE DE LA CRUZ HERNANDEZ Yubero F.	SURFACE AND INTERFACE ANALYSIS	2007
66	Study by AES of the titanium nitration in the growing of TiN thin films by PLD technique	LEONEL SUSANO COTA ARAIZA WENCEL JOSE DE LA CRUZ HERNANDEZ Gonzalez-Valenzuela C. et al.	APPLIED SURFACE SCIENCE	2006



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67	Study of the structure and electrical properties of the copper nitride thin films deposited by pulsed laser deposition	WENCEL JOSE DE LA CRUZ HERNANDEZ Gallardo-Vega C.	APPLIED SURFACE SCIENCE	2006
68	Cobalt nitride films produced by reactive pulsed laser deposition	WENCEL JOSE DE LA CRUZ HERNANDEZ OSCAR EDEL CONTRERAS LOPEZ GERARDO SOTO HERRERA et al.	REVISTA MEXICANA DE FISICA	2006
69	Beryllium nitride: An alternative material to beryllium for extreme ultraviolet and soft X-ray uses	WENCEL JOSE DE LA CRUZ HERNANDEZ GERARDO SOTO HERRERA Yubero F.	OPTICAL MATERIALS	2004
70	Amorphous magnesium nitride films produced by reactive pulsed laser deposition	GERARDO SOTO HERRERA JESUS ANTONIO DIAZ HERNANDEZ WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	JOURNAL OF NON-CRYSTALLINE SOLIDS	2004
71	EXAFS and EXELFS characterization of tin thin films grown by PLD	FELIPE FRANCISCO CASTILLON BARRAZA WENCEL JOSE DE LA CRUZ HERNANDEZ González-Valenzuela C. et al.	International Sampe Technical Conference	2004
72	XPS, AES, and EELS characterization of nitrogen-containing thin films	GERARDO SOTO HERRERA WENCEL JOSE DE LA CRUZ HERNANDEZ MARIO HUMBERTO FARIAS SANCHEZ	JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA	2004
73	EXAFS and EXELFS characterization of tin thin films grown by PLD	FELIPE FRANCISCO CASTILLON BARRAZA WENCEL JOSE DE LA CRUZ HERNANDEZ González-Valenzuela C. et al.	International SAMPE Symposium and Exhibition	2004
74	Influence of the N ₂ on TiN thin film grown by PLD	WENCEL JOSE DE LA CRUZ HERNANDEZ JESUS ANTONIO DIAZ HERNANDEZ LEONEL SUSANO COTA ARAIZA et al.	MICROSCOPY AND MICROANALYSIS	2004
75	Tungsten nitride films grown via pulsed laser deposition studied in situ by electron spectroscopies	GERARDO SOTO HERRERA WENCEL JOSE DE LA CRUZ HERNANDEZ FELIPE FRANCISCO CASTILLON BARRAZA et al.	APPLIED SURFACE SCIENCE	2003
76	Yttrium nitride thin films grown by reactive laser ablation	WENCEL JOSE DE LA CRUZ HERNANDEZ NOBORU TAKEUCHI TAN GERARDO SOTO HERRERA et al.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2003
77	Growth of beryllium nitride films by pulsed laser deposition; dielectric function determination	GERARDO SOTO HERRERA ROBERTO MACHORRO MEJIA JESUS ANTONIO DIAZ HERNANDEZ et al.	Thin Solid Films	2003



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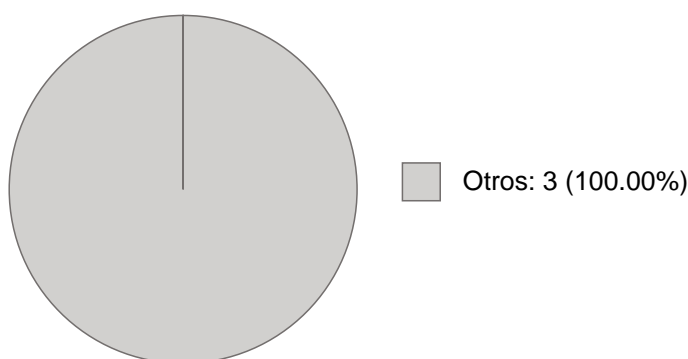


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78	Copper nitride films produced by reactive pulsed laser deposition	GERARDO SOTO HERRERA JESUS ANTONIO DIAZ HERNANDEZ WENCEL JOSE DE LA CRUZ HERNANDEZ	MATERIALS LETTERS	2003
79	Characterization of tungsten oxide films produced by reactive pulsed laser deposition	GERARDO SOTO HERRERA WENCEL JOSE DE LA CRUZ HERNANDEZ JESUS ANTONIO DIAZ HERNANDEZ et al.	APPLIED SURFACE SCIENCE	2003
80	Observation of Sulfur on the Surface of Giant Aurothiol Nanoclusters	JORGE ANTONIO ASCENCIO GUTIERREZ WENCEL JOSE DE LA CRUZ HERNANDEZ LEONEL SUSANO COTA ARAIZA et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2002
81	Beryllium nitride thin film grown by reactive laser ablation	GERARDO SOTO HERRERA JESUS ANTONIO DIAZ HERNANDEZ ROBERTO MACHORRO MEJIA et al.	MATERIALS LETTERS	2002
82	Epitaxial α -Be ₃ N ₂ thin films grown on Si substrates by reactive laser ablation	GERARDO SOTO HERRERA JESUS ANTONIO DIAZ HERNANDEZ WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2002
83	Pulsed laser deposition of crystalline Fe nanoparticles on Al ₂ O ₃ substrates	WENCEL JOSE DE LA CRUZ HERNANDEZ LEONEL SUSANO COTA ARAIZA	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	2000
84	Epitaxial growth and characterization of Fe thin films on sapphire by laser ablation	WENCEL JOSE DE LA CRUZ HERNANDEZ LEONEL SUSANO COTA ARAIZA	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	2000
85	Low resistance contact to CdTe thin films	WENCEL JOSE DE LA CRUZ HERNANDEZ LEONEL SUSANO COTA ARAIZA Florez M. et al.	IEEE Photovoltaic Specialists Conference	1996

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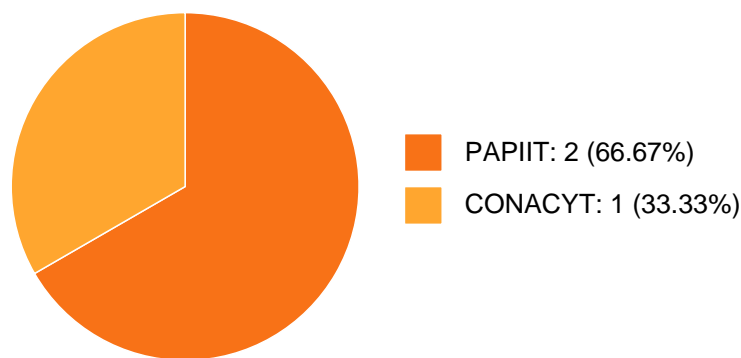
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#	Título	Autores	Alcance	Año	ISBN
1	A Programmable Single-Qubit Quantum Gate	WENCEL JOSE DE LA CRUZ HERNANDEZ Aguayo-Alvarado A.L. Domínguez-Serna F.A. et al.	Conferencia e Paper	2023	9781957171258
2	EFFECT PARTIAL SUBSTITUTION OF LANTHANUM ON THE THERMAL PROPERTIES OF $\text{La}_{0.7-x}\text{Ln}_x\text{Ca}_{0.3}\text{MnO}_3$ (Ln = Pr or Sm) PEROVSKITES	AIDE MINERVA TORRES HUERTA WENCEL JOSE DE LA CRUZ HERNANDEZ Ramírez-Hernández J. et al.	Conferencia e Paper	2022	9786250008430
3	A proposal for nonlinear - Optics based quantum gates in integrated photonic circuits	FRANCISCO ANTONIO DOMINGUEZ SERNA WENCEL JOSE DE LA CRUZ HERNANDEZ KARINA GARAY PALMETT et al.	Conferencia e Paper	2020	9781557528209

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Diseño y fabricación de celdas solares de tercera generación a base de compuestos nanoestructurados.	WENCEL JOSE DE LA CRUZ HERNANDEZ	Sector Privado	24-02-2017	23-02-2018
2	Laboratorio Nacional de Nanofabricación	WENCEL JOSE DE LA CRUZ HERNANDEZ	Recursos CONACYT	13-03-2018	30-11-2018
3	El papel de las impurezas en las propiedades ópticas y eléctricas en óxidos semiconductores tipo "p".	WENCEL JOSE DE LA CRUZ HERNANDEZ	Recursos PAPIIT	01-02-2018	31-12-2020
4	Fabricación y caracterización de transistores y diodos transparentes y flexibles	WENCEL JOSE DE LA CRUZ HERNANDEZ	Recursos PAPIIT	01-01-2021	31-12-2023
5	Estudio de interacciones no lineales de tercer orden para la implementación de compuertas cuánticas en circuitos fotónicos integrados.	WENCEL JOSE DE LA CRUZ HERNANDEZ	Otras Universidades, Centros o Institutos Nacionales	24-05-2021	31-05-2023



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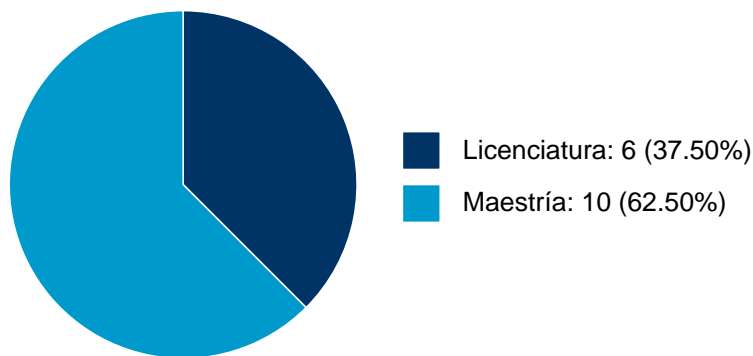
PARTICIPACIÓN EN TESIS

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

WENCEL JOSE DE LA CRUZ HERNANDEZ

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	NANOFABRICACION I	Centro de Nanociencias y Nanotecnología en la UNAM	8	2023-1
2	Licenciatura	NANOFABRICACION I	Centro de Nanociencias y Nanotecnología en la UNAM	6	2022-1
3	Maestría	FISICOQUÍMICA DE SUPERFICIES	Instituto de Investigaciones en Materiales	6	2021-2
4	Licenciatura	NANOFABRICACION I	Centro de Nanociencias y Nanotecnología en la UNAM	11	2021-1
5	Licenciatura	NANOFABRICACION I	Centro de Nanociencias y Nanotecnología en la UNAM	4	2020-1
6	Maestría	MATERIALES CERÁMICOS: TÉCNICAS ESPECTROSCÓPICAS Y TÉRMICAS	Instituto de Investigaciones en Materiales	1	2020-1
7	Licenciatura	NANOFABRICACION I	Centro de Nanociencias y Nanotecnología en la UNAM	5	2019-1



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8	Maestría	FENOMENOS DE SUPERFICIES	Instituto de Investigaciones en Materiales	3	2019-1
9	Licenciatura	NANOFABRICACION I	Centro de Nanociencias y Nanotecnología en la UNAM	6	2018-1
10	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	1	2018-1
11	Maestría	FENOMENOS DE SUPERFICIES	Instituto de Investigaciones en Materiales	1	2014-2
12	Maestría	FENOMENOS DE SUPERFICIES	Instituto de Investigaciones en Materiales	2	2012-2
13	Maestría	FENOMENOS DE SUPERFICIES	Instituto de Investigaciones en Materiales	7	2011-2
14	Maestría	FENOMENOS DE SUPERFICIES	Instituto de Investigaciones en Materiales	4	2010-2
15	Maestría	FENOMENOS DE SUPERFICIES	Instituto de Investigaciones en Materiales	3	2009-2
16	Maestría	FENOMENOS DE SUPERFICIES	Instituto de Investigaciones en Materiales	5	2008-1



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TUTORIAS EN POSGRADO

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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	2008-2024
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	2008-2023
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