



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



RAUL ESCAMILLA GUERRERO

Datos Generales

Nombre: RAUL ESCAMILLA GUERRERO

Máximo nivel de estudios: POSDOCTORADO

Antigüedad académica en la UNAM: 34 años

Nombramientos

Vigente: INVESTIGADOR TITULAR B TC Definitivo
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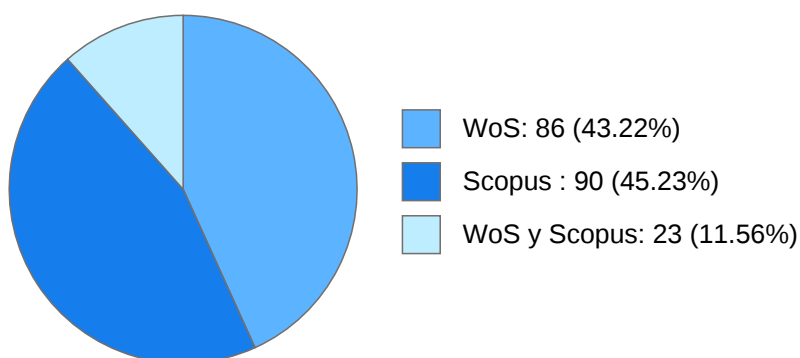
Estímulos, programas, premios y reconocimientos

SNI II 2013 - VIGENTE
SNI I - 2012
PRIDE C - 2024
PASPA Estancias Sabáticas 2014 - 2015

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Semiconductor/lithium lanthanum titanate perovskite interface: a DFT study	JAIME EUGENIO ANTONIO PALLARES HECTOR MUÑOZ GONZALEZ MARTIN ROMERO MARTINEZ et al.	PHYSICA SCRIPTA	2025
2	DFT+U study of different magnetic configurations for the $Gd_{1-x}Fe_xO_3$ ($B = Co, Ru$ and $x = 0.0, 0.5$ and 1.0) type perovskite compounds, an overview for their structural, electronic and magnetic properties	JORGE PILO GONZALEZ MARTHA YADIRA SALAZAR ROMERO EUGENIA PAOLA AREVALO LOPEZ et al.	CHINESE JOURNAL OF PHYSICS	2025
3	Lithium and sodium effects on the structural, electronic, and electrochemical properties of $TiTe_2$ monolayers for batteries	JAIME EUGENIO ANTONIO PALLARES HECTOR MUÑOZ GONZALEZ EUGENIA PAOLA AREVALO LOPEZ et al.	Surfaces And Interfaces	2025
4	Theoretical study on the structural, electronic, mechanical, vibrational, thermodynamical, and optical properties of the two-dimensional PbC nanomaterials	EDUARDO HUMBERTO MUÑOZ Y GARCIA JUAN MAURICIO ANGELES CERVANTES JESUS ALBERTO LEON FLORES et al.	PHYSICA SCRIPTA	2024

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5	DFT plus U study of the structural, electronic and magnetic properties in the EuCoO_3 , EuFeO_3 , and $\text{EuCo}_{0.5}\text{Fe}_{0.5}\text{O}_3$ type perovskite compounds	EUGENIA PAOLA AREVALO LOPEZ RAUL ESCAMILLA GUERRERO J. Pilo et al.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2024
6	Black ZnO nanoparticles synthesized by a green chemistry process	JESUS ALBERTO LEON FLORES JOSE LUIS PEREZ MAZARIEGO MARIA LUISA MARQUINA FABREGA et al.	Nano Express	2024
7	DFT calculations of the structural, elastic, and electronic properties of $(\text{Bi}_{1-x}\text{Fe}_x)_2\text{Te}_3$ chalcogenides	EUGENIA PAOLA AREVALO LOPEZ JAIME EUGENIO ANTONIO PALLARES RAUL ESCAMILLA GUERRERO et al.	PHYSICA SCRIPTA	2024
8	Substitution effects on the structural, mechanical, electronic and electrochemical properties of lithium/sodium strontium stannate perovskite for battery applications	JAIME EUGENIO ANTONIO PALLARES EUGENIA PAOLA AREVALO LOPEZ RAUL ESCAMILLA GUERRERO et al.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2024
9	Molten salts synthesis and Raman, XPS, and UV-vis spectroscopy study of Zn-doped $\text{Y}_2\text{Ti}_2\text{O}_7$ -d pyrochlore	RAUL ESCAMILLA GUERRERO JESUS ALBERTO LEON FLORES JAIME EUGENIO ANTONIO PALLARES et al.	CERAMICS INTERNATIONAL	2024
10	Effect of cobalt doping on the structural, magnetic, optical, and electronic properties of $\text{LiFeCr}_4\text{O}_8$	EUGENIA PAOLA AREVALO LOPEZ LAZARO HUERTA ARCOS CARLOS COSIO CASTAÑEDA et al.	CERAMICS INTERNATIONAL	2024
11	DFT study of the crystal structure, elastic and electronic properties of the phases: $\text{Ti}_2\text{InC}_{(1-x)\text{N}_x}$ superconductor	MARTHA YADIRA SALAZAR ROMERO JAIME EUGENIO ANTONIO PALLARES EUGENIA PAOLA AREVALO LOPEZ et al.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2024
12	Effects of High Hydrostatic Pressure on the Structural, Electronic, and Elastic Properties, and Li-Ion Diffusion Barrier of Lithium Lanthanum Titanate Electrolytes: A DFT Study	JOSE LUIS ROSAS HUERTA EUGENIA PAOLA AREVALO LOPEZ RAUL ESCAMILLA GUERRERO et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2023
13	Remote crisis intervention and suicide risk management in COVID-19 frontline healthcare workers	REBECA ROBLES GARCIA MIRIAM FERIA ARANDA ANA FRESAN ORELLANA et al.	FRONTIERS IN PSYCHOLOGY	2023
14	Li/Na atoms? substitution effects on the structural, electronic, and mechanical properties of the CaSnO_3 perovskite for battery applications	JESUS ALBERTO LEON FLORES RAUL ESCAMILLA GUERRERO Antonio J.E. et al.	COMPUTATIONAL MATERIALS SCIENCE	2023
15	A first-principles study of the electronic, mechanical, vibrational, and optical properties of the zirconium carbide under high pressure	JAIME EUGENIO ANTONIO PALLARES JOSE LUIS ROSAS HUERTA EUGENIA PAOLA AREVALO LOPEZ et al.	PHYSICA SCRIPTA	2023

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16	Molten salts synthesis of double perovskite $\text{Sr}_{2-x}\text{Gd}_x\text{FeNbO}_6$: Structure magnetic properties and XPS study	JOSE LUIS ROSAS HUERTA ADRIANA BENITEZ RICO EUGENIA PAOLA AREVALO LOPEZ et al.	PHYSICA B-CONDENSED MATTER	2023
17	First-principles study of the effect of pressure on the physical properties of PbC	EDUARDO HUMBERTO MUÑOZ Y GARCIA JAIME EUGENIO ANTONIO PALLARES JUAN MAURICIO ANGELES CERVANTES et al.	MATERIALS RESEARCH EXPRESS	2023
18	Rapid synthesis of nickel ferrite nanoparticles by the molten salt method	JESUS ALBERTO LEON FLORES JOSE LUIS PEREZ MAZARIEGO EMILIANO TONATIUH OLMEDO RESENDIZ et al.	MATERIALS RESEARCH EXPRESS	2023
19	Controlled Formation of Hematite?Magnetite Nanoparticles by a Biosynthesis Method and Its Photocatalytic Removal Potential Against Methyl Orange Dye	JESUS ALBERTO LEON FLORES JOSE LUIS PEREZ MAZARIEGO MARIA LUISA MARQUINA FABREGA et al.	JOURNAL OF CLUSTER SCIENCE	2023
20	Structural, mechanical and optoelectronic properties of B_6X ($\text{X} = \text{Se}, \text{S}$) chalcogenides under hydrostatic pressure	JESUS ALBERTO LEON FLORES JAIME EUGENIO ANTONIO PALLARES HECTOR MUÑOZ GONZALEZ et al.	PHYSICA SCRIPTA	2023
21	Theoretical study of $\text{Sr}_2\text{Fe}_{1-x}\text{Nb}_x\text{O}_6$ system: Electronic and magnetic properties and crystal structure	JOSE LUIS ROSAS HUERTA EUGENIA PAOLA AREVALO LOPEZ MARIA LUISA MARQUINA FABREGA et al.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2022
22	Effect of Fe on Bi_2Te_3 : Structure, magnetic properties, and XPS valence band	EUGENIA PAOLA AREVALO LOPEZ PEDRO ROMERO MORENO JOSE LUIS ROSAS HUERTA et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2022
23	Effect of hydrostatic pressure on the structural, mechanical, vibrational and electronic properties of the solid solution $\text{W}_{1-x}\text{Ta}_x\text{B}_3$	JESUS ALBERTO LEON FLORES JOSE LUIS ROSAS HUERTA MARTIN ROMERO MARTINEZ et al.	EUROPEAN PHYSICAL JOURNAL B	2022
24	Crystal structure, Mössbauer and X-ray photoelectron spectroscopies, and magnetic properties of $\text{Sr}_2\text{FeMo}_{1-x}\text{Nb}_x\text{O}_6$ compounds	JOSE LUIS ROSAS HUERTA MARTIN ROMERO MARTINEZ EUGENIA PAOLA AREVALO LOPEZ et al.	JOURNAL OF SOLID STATE CHEMISTRY	2022
25	Phase transition and mechanical, vibrational, and electronic properties of NbC under pressure	RAUL ESCAMILLA GUERRERO EUGENIA PAOLA AREVALO LOPEZ JOSE LUIS ROSAS HUERTA et al.	PHYSICA B-CONDENSED MATTER	2021
26	A First-Principles Investigation on the Electronic and Mechanical Properties of 1T TiSe_2 Multilayers for Energy Storage	JOSE LUIS ROSAS HUERTA ELIEL CARVAJAL QUIROZ RAUL ESCAMILLA GUERRERO et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2021

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27	Effect of Y-doped NbB ₂ S ₅ on structural and superconducting properties	EUGENIA PAOLA AREVALO LOPEZ JOSE LUIS ROSAS HUERTA LAZARO HUERTA ARCOS et al.	PHYSICA SCRIPTA	2021
28	Exposed Surface and Confinement Effects on the Electronic, Magnetic, and Mechanical Properties of LaTiO ₃ Slabs	JOSE LUIS ROSAS HUERTA RAUL ESCAMILLA GUERRERO ELIEL CARVAJAL QUIROZ et al.	IEEE TRANSACTIONS ON MAGNETICS	2021
29	Effect of Mo substitution on the structure and electrical properties of Gd ₂ Ru ₂ O ₇ pyrochlore	JOSE LUIS ROSAS HUERTA RAUL ESCAMILLA GUERRERO A. A. Castro	PHYSICA B-CONDENSED MATTER	2021
30	Spectroscopic characterization of iron bismuth (antimony/tantalum) pyrochlores synthesized by the molten salts method	JOSE LUIS PEREZ MAZARIEGO SHIRLEY SARAI FLORES MORALES EUGENIA PAOLA AREVALO LOPEZ et al.	CERAMICS INTERNATIONAL	2021
31	Structure, elastic, and electronic properties of the Nb ₂ SnCl _{1-x} B _x phases MAX: Ab initio calculations	KARLA LORENA SANCHEZ SANCHEZ JOSE LUIS ROSAS HUERTA EUGENIA PAOLA AREVALO LOPEZ et al.	Materials Today Communications	2021
32	Ab initio calculations of the elastic, vibrational, electronic properties, and electron-phonon constant of superconducting YB ₆ compound under low pressure	MARTIN ROMERO MARTINEZ EUGENIA PAOLA AREVALO LOPEZ JOSE LUIS ROSAS HUERTA et al.	PHYSICA SCRIPTA	2021
33	DFT study on the electronic and magnetic properties of the Sr ₂ FeNbO ₆ compound	JESUS ALBERTO LEON FLORES JESUS ANGEL ARENAS ALATORRE MARTIN ROMERO MARTINEZ et al.	Materials Today Communications	2020
34	Effect of partial substitution of iron by tungsten on the crystal structure and electronic properties of WB ₃	JESUS ALBERTO LEON FLORES MARTIN ROMERO MARTINEZ JOSE LUIS PEREZ MAZARIEGO et al.	PHYSICA B-CONDENSED MATTER	2020
35	LDA+U study of the electronic and magnetic properties of the Sr ₂ FeMo _{1-x} Nb _x O ₆ compound	JESUS ALBERTO LEON FLORES RAUL ESCAMILLA GUERRERO ELIEL CARVAJAL QUIROZ et al.	Materials Today Communications	2020
36	Pressure effect on the mechanical and electronic properties of the tungsten triboride doped with iron: a first-principles study	JESUS ALBERTO LEON FLORES MARTIN ROMERO MARTINEZ JOSE LUIS ROSAS HUERTA et al.	EUROPEAN PHYSICAL JOURNAL B	2020
37	LDA plus U study of hydrostatic pressure effect on double perovskite Sr ₂ FeNbO ₆ : crystal structure, mechanical and electronic properties	JOSE LUIS ROSAS HUERTA JESUS ALBERTO LEON FLORES ELIEL CARVAJAL QUIROZ et al.	PHYSICA SCRIPTA	2020

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38	Ab Initio study of the crystal structure and the elastic properties of the $\text{Mo}_{0.85}\text{Nb}_{0.15}\text{B}_3$ compound under pressure.	JESUS ALBERTO LEON FLORES JOSE LUIS ROSAS HUERTA RAUL ESCAMILLA GUERRERO et al.	Mrs Advances	2019
39	Ti-doped YMnO_3 : Magnetic and thermal studies at low temperature and dielectric properties at high temperature	ALEJANDRO CESAR DURAN HERNANDEZ GABRIELA GUZMAN NAVARRO CARLOS IVAN OCHOA GUERRERO et al.	JOURNAL OF APPLIED PHYSICS	2019
40	Ab initio study of structural, elastic, and electronic properties of $\text{Mo}_{3.46}\text{B}_{12}$ under high pressure	JESUS ALBERTO LEON FLORES RAUL ESCAMILLA GUERRERO Romero M. et al.	EUROPEAN PHYSICAL JOURNAL B	2019
41	Crystalline Structure Study of Double Perovskites $\text{Sr}_2\text{FeNb}_{1-x}\text{MoxO}_6$ Synthesized by the Molten Salts Method	JESUS ALBERTO LEON FLORES MARTIN ROMERO MARTINEZ JESUS ANGEL ARENAS ALATORRE et al.	INTERNATIONAL CONFERENCES & EXHIBITION ON NANOTECHNOLOGIES, ORGANIC ELECTRONICS & NANOMEDICINE, NANOTEXNOLOGY 2020, PT 1	2019
42	First-principles calculations of the structural, elastic, vibrational and electronic properties of YB_6 compound under pressure	ADRIANA BENITEZ RICO EUGENIA PAOLA AREVALO LOPEZ RAUL WAYNE GOMEZ Y GONZALEZ et al.	EUROPEAN PHYSICAL JOURNAL B	2019
43	Magnetic and Magnetoresistive Behavior of the Ferromagnetic Heavy Fermion YbNi_2	OSCAR OLICON HERNANDEZ RAUL ESCAMILLA GUERRERO FRANCISCO MORALES LEAL et al.	JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM	2019
44	Effect of Al-doped YCrO_3 on structural, electronic and magnetic properties	RAUL ESCAMILLA GUERRERO Durán A. Verdín E. et al.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2018
45	Reversal magnetization, spin reorientation, and exchange bias in YCrO_3 doped with praseodymium	ADRIAN DURAN CHAVESTI RAUL ESCAMILLA GUERRERO ROBERTO ESCUDERO DERAT et al.	Physical Review Materials	2018
46	Effect of Co partial substitution on the valence state of Ru in the $\text{Gd}_{2-x}\text{Co}_x\text{Ru}_2\text{O}_7$ pyrochlore	RAUL ESCAMILLA GUERRERO Castro A.A. Morales F. et al.	JOURNAL OF MATERIALS SCIENCE	2018

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47	Critical temperature and upper critical field of $\text{Li}_2\text{Pd}_{3-x}\text{Cu}_x\text{B}$ ($x=0.0, 0.1, 0.2$) superconductors	RAUL ESCAMILLA GUERRERO FRANCISCO MORALES LEAL Castro, A.A. et al.	SOLID STATE COMMUNICATIONS	2017
48	Evidence of mixed valence $\text{Cr}^{+3}/\text{Cr}^{+4}$ in $\text{Y}_{1-x}\text{Ca}_x\text{CrO}_3$ polycrystalline ceramics by X-ray photoelectron spectroscopy	RAUL ESCAMILLA GUERRERO LAZARO HUERTA ARCOS MARIA DE LOURDES ROMERO ALMARAZ et al.	JOURNAL OF MATERIALS SCIENCE	2017
49	First-principles study of the structural, elastic, vibrational, thermodynamic and electronic properties of the Mo_2B intermetallic under pressure	RAUL ESCAMILLA GUERRERO MARIA DE LOURDES ROMERO ALMARAZ ROLANDO GOMEZ MACEDO et al.	JOURNAL OF MOLECULAR STRUCTURE	2016
50	XPS study of the electronic density of states in the superconducting Mo_2B and Mo_2BC compounds	RAUL ESCAMILLA GUERRERO FRANCISCO MORALES LEAL LAZARO HUERTA ARCOS et al.	JOURNAL OF MATERIALS SCIENCE	2016
51	High-Pressure and Electronic Band Structure Studies on Mo_2BC	RICHART FALCONI CALDERON PABLO DE LA MORA Y PALOMAR ASKINASY FRANCISCO MORALES LEAL et al.	JOURNAL OF LOW TEMPERATURE PHYSICS	2015
52	Structural and mechanic properties of RFeO_3 with $\text{R} = \text{Y}, \text{Eu}$ and La perovskites: a first-principles calculation	MARGARITA ROMERO AVILA RAUL ESCAMILLA GUERRERO VIVIANNE MARQUINA FABREGA et al.	EUROPEAN PHYSICAL JOURNAL D	2015
53	Pressure effect on the structural, elastic and electronic properties of Nb_2AC ($\text{A} = \text{S}$ and In) phases; Ab initio study	M. Romeo RAUL ESCAMILLA GUERRERO	COMPUTATIONAL MATERIALS SCIENCE	2014
54	Erratum: Pressure effect on the structural, elastic and electronic properties of Nb_2AC ($\text{A} = \text{S}$ and In) phases; Ab initio study (Computational Materials Science (2014) 81 (184-190))	M. Romero RAUL ESCAMILLA GUERRERO	COMPUTATIONAL MATERIALS SCIENCE	2014
55	Synthesis by molten salt method of the AFeO_3 system ($\text{A}=\text{La}, \text{Gd}$) and its structural, vibrational and internal hyperfine magnetic field characterization	M. Romero RAUL WAYNE GOMEZ Y GONZALEZ VIVIANNE MARQUINA FABREGA et al.	PHYSICAL B-CONDENSED MATTER	2014
56	Electronic structure of Co-substituted FeSe superconductor probed by soft x-ray spectroscopy and density functional theory	RAUL ESCAMILLA GUERRERO V. Ortiz Perez, I. et al.	PHYSICAL REVIEW B	2014
57	Chemical pressure in $\text{SmNiC}_2-x\text{B}_x$ compounds: Evidence of a quantum critical behavior	FRANCISCO MORALES LEAL L. F. Mendivil RAUL ESCAMILLA GUERRERO	JOURNAL OF PHYSICS-CONDENSED MATTER	2014
58	Electronic structure of $\text{FeSe}_{1-x}\text{Te}_x$ studied by X-ray spectroscopy and density functional theory	RAUL ESCAMILLA GUERRERO V. Ortiz Perez, I. et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2014

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59	X-ray photoelectron spectroscopy studies of the electronic structure of superconducting Nb ₂ SnC and Nb ₂ SC	M. Romero LAZARO HUERTA ARCOS TATSUO AKACHI MIYAZAKI et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2013
60	Valence band XPS and UPS studies of non-stoichiometric superconducting NbB ₂ +x	RAUL ESCAMILLA GUERRERO LAZARO HUERTA ARCOS FRANCISCO MORALES LEAL et al.	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	2012
61	Elastic properties, Debye temperature, density of states and electron-phonon coupling of ZrB ₁₂ under pressure	RAUL ESCAMILLA GUERRERO M. Romero FRANCISCO MORALES LEAL	SOLID STATE COMMUNICATIONS	2012
62	First-principles calculations of structural, elastic and electronic properties of Nb ₂ SnC under pressure	M. Romero RAUL ESCAMILLA GUERRERO	COMPUTATIONAL MATERIALS SCIENCE	2012
63	Mechanism of small-polaron formation in the biferroic YCrO ₃ doped with calcium	ALEJANDRO CESAR DURAN HERNANDEZ RAUL ESCAMILLA GUERRERO FRANCISCO MORALES LEAL et al.	MATERIALS CHEMISTRY AND PHYSICS	2012
64	Ferromagnetic behavior of high-purity ZnO nanoparticles	ROBERTO ESCUDERO DERAT RAUL ESCAMILLA GUERRERO	SOLID STATE COMMUNICATIONS	2011
65	Effects of Substituting Se with Te in the FeSe Compound: Structural, Magnetization and Mossbauer Studies	RAUL WAYNE GOMEZ Y GONZALEZ VIVIANNE MARQUINA FABREGA JOSE LUIS PEREZ MAZARIEGO et al.	JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM	2010
66	Comparative study of the core level photoemission of the ZrB ₂ and ZrB ₁₂	LAZARO HUERTA ARCOS ALEJANDRO CESAR DURAN HERNANDEZ RAUL ESCAMILLA GUERRERO et al.	PHYSICAL C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	2010
67	X-ray diffraction and Raman spectroscopy on Gd-2(Ti ₂ -yTey)O-7 prepared at high pressure and high temperature	ALMA ROSA HEREDIA VELASCO MANUEL GERARDO QUINTANA GARCIA JOSE LUIS PEREZ MAZARIEGO et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2010
68	Correlation between the transition temperature and the superfluid density in BCS superconductor NbB ₂ (2+x)	RAUL ESCAMILLA GUERRERO Khasanov, R. Shengelaya, A. et al.	PHYSICAL REVIEW B	2008
69	Superconducting niobium nitride films deposited by unbalanced magnetron sputtering	L. Huerta SANDRA ELIZABETH RODIL POSADA RAUL ESCAMILLA GUERRERO et al.	Thin Solid Films	2008
70	Kinetic and reaction mechanism of CO ₂ sorption on Li ₄ SiO ₄ : Study of the particle size effect	ESTEBAN FREGOSO ISRAEL RAUL ESCAMILLA GUERRERO HERIBERTO PFEIFFER PEREA et al.	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2007

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71	Effect of substrate bias voltage on corrosion of TiN/Ti multilayers deposited by magnetron sputtering	RAUL ESCAMILLA GUERRERO EDUARDO ANDRADE IBARRA STEPHEN MUHL SAUNDERS et al.	APPLIED SURFACE SCIENCE	2007
72	Synthesis and study of the crystallographic and magnetic structure of SeCo O3	RAUL ESCAMILLA GUERRERO Muñoz A. Alonso J.A. et al.	PHYSICAL REVIEW B	2006
73	X-ray photoelectron spectroscopy studies of non-stoichiometric superconducting NbB _{2+x}	RAUL ESCAMILLA GUERRERO LAZARO HUERTA ARCOS	SUPERCONDUCT OR SCIENCE & TECHNOLOGY	2006
74	Crystal structure and relaxor-type transition in SrBi ₂ Ta ₂ O ₉ doped with praseodymium	ALEJANDRO CESAR DURAN HERNANDEZ RAUL ESCAMILLA GUERRERO JESUS LEONARDO HEIRAS AGUIRRE et al.	JOURNAL OF PHYSICS-COND ENSED MATTER	2006
75	Structural characterization and dielectric properties of Gd doped SrBi ₂ Ta ₂ O ₉	ALEJANDRO CESAR DURAN HERNANDEZ RAUL ESCAMILLA GUERRERO JESUS MARIA SIQUEIROS BELTRONES et al.	INTEGR FERROELECTR	2006
76	Crystal structure and ferroelectric properties of SBT doped with Praseodymium	RAUL ESCAMILLA GUERRERO JESUS LEONARDO HEIRAS AGUIRRE JESUS MARIA SIQUEIROS BELTRONES et al.	Ferroelectrics	2006
77	Mössbauer study of the (Ru _{1-x} Fe _x)Sr ₂ GdCu ₂ O _{8-d} system and two of its possible impurities: SrRuO ₃ and Gd ₂ CuO ₄	RAUL WAYNE GOMEZ Y GONZALEZ VIVIANNE MARQUINA FABREGA ALMA ROSA AREVALO SALAS et al.	HYPERFINE INTERACTIONS	2006
78	Study of the crystal structure, superconducting and magnetic properties of Ru _{1-x} Fe _x Sr ₂ GdCu ₂ O ₈	RAUL ESCAMILLA GUERRERO FRANCISCO MORALES LEAL TATSUO AKACHI MIYAZAKI et al.	SUPERCONDUCT OR SCIENCE & TECHNOLOGY	2005
79	Structural analysis, magnetic and transport properties of the (Ru _{1-x} Cox)Sr ₂ GdCu ₂ O ₈ system	RAUL ESCAMILLA GUERRERO ALEJANDRO CESAR DURAN HERNANDEZ ROBERTO ESCUDERO DERAT	SUPERCONDUCT OR SCIENCE & TECHNOLOGY	2005
80	Crystalline structure and the superconducting properties of NbB _{2+x}	RAUL ESCAMILLA GUERRERO TATSUO AKACHI MIYAZAKI ALEJANDRO CESAR DURAN HERNANDEZ et al.	JOURNAL OF PHYSICS-COND ENSED MATTER	2004
81	Effect of Fe substitution in the structure and superconducting properties of the (Y _{0.8} Pr _{0.2})Ba ₂ Cu _{4-x} Fe _x O ₈ system	RAUL ESCAMILLA GUERRERO TATSUO AKACHI MIYAZAKI VIVIANNE MARQUINA FABREGA et al.	PHYSICA C-SUPERCONDU CTIVITY AND ITS APPLICATIONS	2003
82	The effect of Mn substitution on the structure and magnetic properties of Se(Cu _{1-x} Mnx)O ₃ solid solution	RAUL ESCAMILLA GUERRERO ALEJANDRO CESAR DURAN HERNANDEZ Rosales M.I. et al.	JOURNAL OF PHYSICS-COND ENSED MATTER	2003

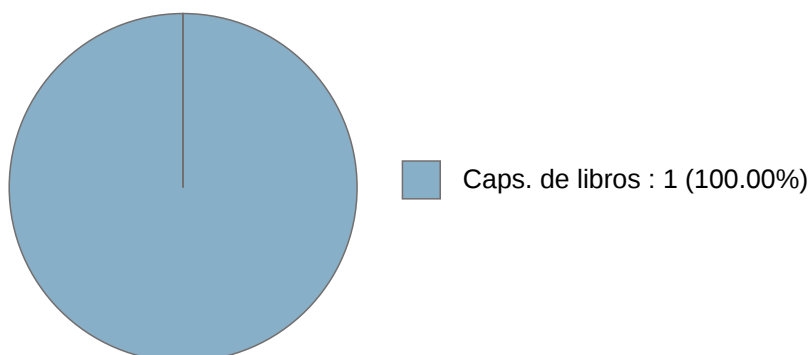
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83	Crystal chemistry and magnetic properties of $\text{SeCu}_{1-x}\text{Zn}_x\text{O}_3$ ($0 \leq x \leq 1$) perovskites	RAUL ESCAMILLA GUERRERO Gallardo-Amores J.M. Morán E. et al.	JOURNAL OF SOLID STATE CHEMISTRY	2002
84	Suppression of T_c in the $(\text{Y}_{0.9}\text{Ca}_{0.1})\text{Ba}_2\text{Cu}_4-x\text{Fe}_x\text{O}_8$ system	RAUL ESCAMILLA GUERRERO TATSUO AKACHI MIYAZAKI VIVIANNE MARQUINA FABREGA et al.	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	2002
85	High-pressure synthesis of $\text{SeCu}_{1-x}\text{Zn}_x\text{O}_3$ perovskites	RAUL ESCAMILLA GUERRERO Gallardo-Amores J.M. Morán E. et al.	HIGH PRESSURE RESEARCH	2002
86	Temperature evolution of the internal magnetic hyperfine field of Metglas: Amorphous and crystallized phases	VIVIANNE MARQUINA FABREGA ROSALIA RIDAURA SANZ MARIA LUISA MARQUINA FABREGA et al.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2000
87	Estudio de la estructura cristalina para el sistema $(\text{Y}_{1-x}\text{Ca}_x)\text{Ba}_2(\text{Cu}_{1-x}\text{Fe}_x)_4\text{O}_d$ con $z = 0.1$ y $x = 0.0125$	RAUL ESCAMILLA GUERRERO TATSUO AKACHI MIYAZAKI VIVIANNE MARQUINA FABREGA et al.	REVISTA MEXICANA DE FISICA	1999
88	Site occupancy and T_c degradation in iron substituted $\text{YBa}_2(\text{Cu}_{1-x}\text{Fe}_x)_4\text{O}_{8+d}$	TATSUO AKACHI MIYAZAKI RAUL ESCAMILLA GUERRERO VIVIANNE MARQUINA FABREGA et al.	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	1998
89	Iron substitution in the Cu sites of the $\text{YBa}_2\text{Cu}_4-x\text{Fe}_x\text{O}_d$ structure studied by Mössbauer spectroscopy	VIVIANNE MARQUINA FABREGA SERGIO ABURTO CASTAÑEDA RAUL WAYNE GOMEZ Y GONZALEZ et al.	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	1994
90	About the ionic state of iron in the Cu sites of the $\text{Nd}_{2-x}\text{Ce}_x\text{Cu}_2-y\text{Fe}_y\text{O}_4-d$ superconductor	RAUL WAYNE GOMEZ Y GONZALEZ VIVIANNE MARQUINA FABREGA SERGIO ABURTO CASTAÑEDA et al.	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	1994

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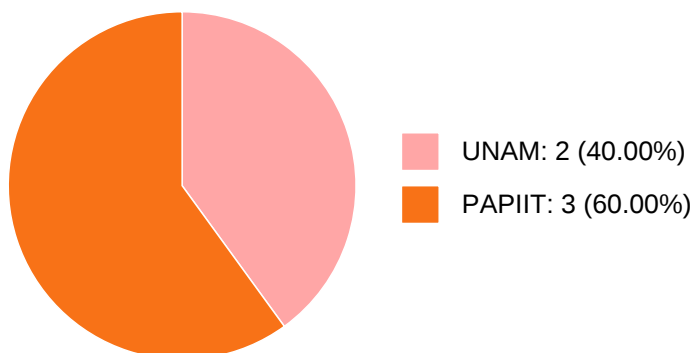


#	Título	Autores	Alcance	Año	ISBN
1	Evaluation of perinatal and pediatric risk factors for the development of schizophrenia	RAUL ESCAMILLA GUERRERO ANA FRESAN ORELLANA Saracco-Alvarez R. et al.	Capítulo de un Libro	2015	9781634823746

RAUL ESCAMILLA GUERRERO

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Superconductores de alta temperatura crítica.	RAUL ESCAMILLA GUERRERO	Presupuesto de la UNAM asignado a la Dependencia	01-01-2018	31-12-2021
2	Estudio de la estructura cristalina y propiedades magnéticas, eléctricas y electrónicas de los compuestos tipo pirocloro (Gd _{1-x} Mx)(Ru, Mo)O ₇ con m=elemento de transición divalentes	RAUL ESCAMILLA GUERRERO	Recursos PAPIIT	01-01-2018	31-12-2019
3	Estudio de la estructura cristalina, propiedades electrónicas y magnéticas de los compuestos tipo Pirocloro (Eu _{2-x} Mx)(Ru _{2-x} Nx)O ₇ con M: Elemento Divalente y N:Elemento Trivalente.	RAUL ESCAMILLA GUERRERO	Recursos PAPIIT	01-01-2021	31-12-2022
4	Superconductores de alta temperatura crítica.	RAUL ESCAMILLA GUERRERO	Presupuesto de la UNAM asignado a la Dependencia	01-01-2022	31-12-2025



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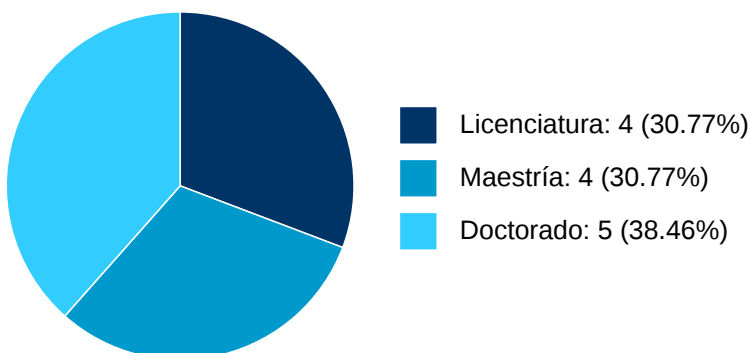
RAUL ESCAMILLA GUERRERO

5	Estudio de la estructura cristalina y propiedades electrónicas de los compuestos tipo pirocloro $(Y_{2-x}Zn_x)(Ti,Ru)_2O_7$	RAUL ESCAMILLA GUERRERO	Recursos PAPIIT	01-01-2023	31-12-2024
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RAUL ESCAMILLA GUERRERO

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Estudio de la estructura cristalina y de las propiedades electrónicas de los compuestos tipo doble perovskita $\text{Sr}_2\text{FeMo}_{1-x}\text{Nb}_x\text{O}_6$	Tesis de Doctorado	JESUS ANGEL ARENAS ALATORRE,	ELIEL CARVAJAL QUIROZ, RAUL ESCAMILLA GUERRERO, et al.	Facultad de Ciencias, Instituto de Física, Instituto de Investigaciones en Materiales,	2020
2	Estructura cristalina y propiedades elásticas de los triboruros de tungsteno y molibdeno donados con hierro	Tesis de Doctorado	RAUL ESCAMILLA GUERRERO,	León Flores, Jesús Alberto,	Instituto de Investigaciones en Materiales,	2020
3	Estudio de la estructura cristalina, propiedades electrónicas y magnéticas de los compuestos tipo pirocloro $\text{Gd}_{2-x}\text{Co}_x\text{Ru}_2\text{O}_7$ y $\text{Gd}_2\text{Ru}_{2-x}\text{Mo}_x\text{O}_7$	Tesis de Doctorado	RAUL ESCAMILLA GUERRERO,	Castro Espinosa, Amaranta Anai,	Instituto de Investigaciones en Materiales,	2019
4	Estudio de la estructura cristalina y superconductividad de los carburos Mc, donde M = Nb, Ta, W, Ti y Mo	Tesis de Licenciatura	RAUL ESCAMILLA GUERRERO,	Tajonar Barajas, Linda Giovana Esmeralda,	Instituto de Investigaciones en Materiales,	2015

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5	Síntesis del compuesto (bisb)fe ₂ o ₇ por el método de sales fundidas y su caracterización por difracción de rayos X y espectroscopia Mössbauer	Tesis de Maestría	RAUL ESCAMILLA GUERRERO,	VIVIANNE MARQUINA FABREGA, JOSE LUIS PEREZ MAZARIEGO, et al.	Facultad de Ciencias, Instituto de Investigaciones en Materiales,	2015
6	Estudio de la estructura cristalina y de las propiedades magnéticas de los sistemas tipo pirocloro gd ₂ (ti; zr) ₂ -yteyo ₇	Tesis de Doctorado	RAUL ESCAMILLA GUERRERO,	Heredia Velasco, Alma Rosa,	Instituto de Investigaciones en Materiales,	2014
7	Estudio de la estructura cristalina y propiedades magnéticas y electrónicas del sistema nb ₂ ac (a= sn, s, in)	Tesis de Doctorado	RAUL ESCAMILLA GUERRERO,	Romero Martínez, Martín,	Instituto de Investigaciones en Materiales,	2013
8	Síntesis y caracterización del sistema FeSe _{1-x} Tex	Tesis de Maestría	RAUL ESCAMILLA GUERRERO,	Ortiz Hernández, Víctor Hugo,	Instituto de Investigaciones en Materiales,	2012
9	Estudio de las propiedades estructurales y superconductoras de los diboruros del tipo MB _{2+x} , donde M = Mo y Nb	Tesis de Maestría	RAUL ESCAMILLA GUERRERO,	Arévalo López, Eugenia Paola,	Instituto de Investigaciones en Materiales,	2010
10	Propiedades cristalograficas y magneticas de materiales (BiSb) ₃ M ₂ O ₁₄ (M=cobalto, cobre y zinc) con estructura tipo pirocloro	Tesis de Licenciatura	RAUL ESCAMILLA GUERRERO,	Betanzos García, Juan Marti,		2006
11	Efecto de la sustitucion de cobalto en los sitios de cobre sobre las propiedades cristalograficas magneticas y de transporte del compuesto superconductor GdSr ₂ RuCu ₂ O ₈	Tesis de Licenciatura	RAUL ESCAMILLA GUERRERO,	Bucio Pacheco, David,		2006

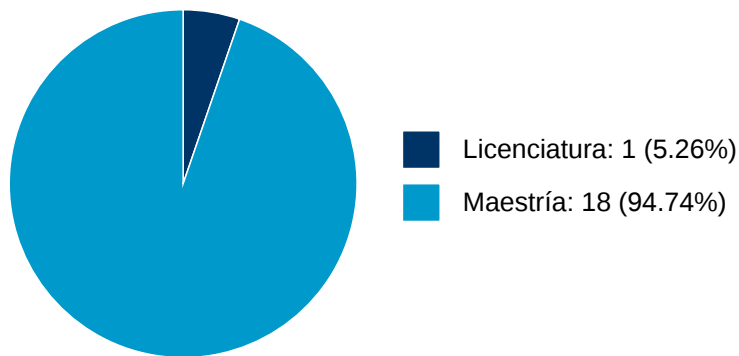
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12	Efecto de alta presión sobre las propiedades cristalográficas y superconductoras del diboruro de magnesio (MgB ₂)	Tesis de Licenciatura	RAUL ESCAMILLA GUERRERO,	Fernandez, Julia,	2005
13	Fabricación y prueba de circuitos RSFQ utilizando uniones Josephson SNS	Tesis de Maestría	RAUL ESCAMILLA GUERRERO,	Loyo Rosales, Carlos Arturo,	2002

RAUL ESCAMILLA GUERRERO

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MÉTODO DE RIETVELD	Instituto de Investigaciones en Materiales	1	2024-1
2	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MÉTODO DE RIETVELD	Instituto de Investigaciones en Materiales	1	2023-2
3	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS	Instituto de Investigaciones en Materiales	0	2022-2
4	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS METODO DE RIETVELD	Instituto de Investigaciones en Materiales	2	2021-2
5	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MÉTODO DE RIETVELD	Instituto de Investigaciones en Materiales	1	2020-1
6	Maestría	SUPERCONDUCTIVIDAD	Instituto de Investigaciones en Materiales	1	2018-1
7	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS METODO DE RIETVELD	Instituto de Investigaciones en Materiales	1	2017-2

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8	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS-304504	Instituto de Investigaciones en Materiales	1	2017-1
9	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	1	2016-1
10	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	1	2014-1
11	Licenciatura	TEM.SELEC.DE FISICA D MATERIAL I	Facultad de Ciencias	3	2014-1
12	Maestría	SUPERCONDUCTIVIDAD	Instituto de Investigaciones en Materiales	3	2013-1
13	Maestría	SUPERCONDUCTIVIDAD	Instituto de Investigaciones en Materiales	2	2012-1
14	Maestría	SUPERCONDUCTIVIDAD	Instituto de Investigaciones en Materiales	3	2011-2
15	Maestría	SUPERCONDUCTIVIDAD	Instituto de Investigaciones en Materiales	1	2010-2
16	Maestría	SUPERCONDUCTIVIDAD	Instituto de Investigaciones en Materiales	2	2010-1
17	Maestría	SUPERCONDUCTIVIDAD	Instituto de Investigaciones en Materiales	2	2009-1
18	Maestría	SUPERCONDUCTIVIDAD	Instituto de Investigaciones en Materiales	1	2008-2
19	Maestría	SUPERCONDUCTIVIDAD	Instituto de Investigaciones en Materiales	1	2008-1



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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