



JESUS MARIA SIQUEIROS BELTRONES

Datos Generales

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Máximo nivel de estudios: DOCTORADO

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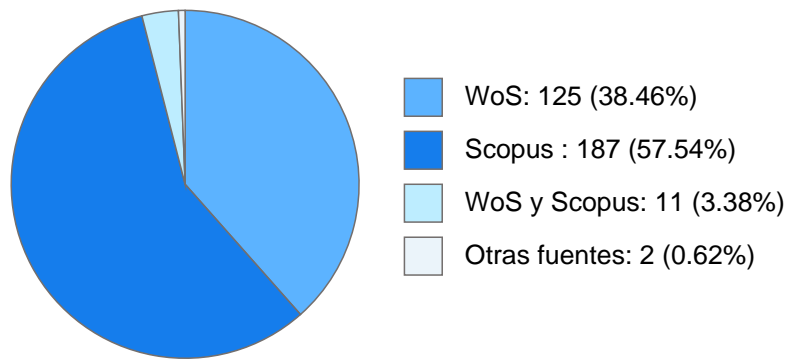
Estímulos, programas, premios y reconocimientos

SNI III - VIGENTE
PRIDE D 2014 - VIGENTE
PRIDE Fijo 2014
PRIDE D - 2014

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Photovoltaic energy conversion in multiferroic perovskite absorber-based devices via experiment and theoretical calculations	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	PHYSICA B-CONDENSED MATTER	2024
2	Nanostructured thin films of TiO ₂ tailored by anodization	JESUS MARIA SIQUEIROS BELTRONES MA. DE LA PAZ CRUZ JAUREGUI Luna-Cervantes M. et al.	MATERIALS RESEARCH EXPRESS	2024
3	Precursor influence on the raman spectrum of KNNLiTaLa _{0.01} prepared by two different methods	JESUS MARIA SIQUEIROS BELTRONES Fuentes J. Hmok H.L. et al.	REVISTA MEXICANA DE FISICA	2024
4	Bilayer perovskite heterojunction tandem solar cells: The future of green energy conversion	SUBHASH SHARMA OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES et al.	MATERIALS LETTERS	2024
5	Effect of organic molecule layer on the interfacial engineering, stability, and conversion efficiency of the perovskite solar cell heterostructure	SUBHASH SHARMA OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES et al.	MATERIALS LETTERS	2024
6	Tuning of the ferroelectric and optical properties of ZnSnO ₃ with transition metals: Mn, Cr and Co	ESPIRIDION MARTINEZ AGUILAR JESUS MARIA SIQUEIROS BELTRONES RIGOBERTO LOPEZ JUAREZ et al.	MATERIALS CHEMISTRY AND PHYSICS	2024

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7	Recent advances in electric field-controlled magnetism using perovskite multiferroic heterostructures for spintronics applications	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	MATERIALS LETTERS	2024
8	Impact of Cr Doping on the Structural, Optical, and Magnetic Properties of Sol-Gel-Synthesized $\text{Bi}_{0.80}\text{Ba}_{0.10}\text{Pr}_{0.10}\text{FeO}_3$ Nanopowders	SUBHASH SHARMA GABRIEL ROJAS GEORGE JESUS MARIA SIQUEIROS BELTRONES et al.	Acs Omega	2024
9	An Atomic-Scale Justification for the Weak Ferromagnetism Observed in Nanostructured $\text{Zn}_{0.96}\text{Co}_x\text{Mn}_{0.04}\text{O}$ Powders	SUBHASH SHARMA RODRIGO PONCE PEREZ MARIA GUADALUPE MORENO ARMENTA et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2024
10	Recent advances in green synthesis of diluted magnetic plasmonic-based semiconductor nanomaterials for biomedical applications	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	Hybrid Advances	2024
11	Structural phase transition from rhombohedral to monoclinic phase and physical properties of $(1-x)\text{Bi}_{0.85}\text{La}_{0.15}\text{FeO}_3 \cdot x\text{Ca}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ ceramics prepared by the solid-state route	SUBHASH SHARMA VICTOR EMMANUEL ALVAREZ MONTAÑO JESUS MARIA SIQUEIROS BELTRONES et al.	MATERIALS CHEMISTRY AND PHYSICS	2024
12	Recent advances in interfacial engineering and band-gap tuning of perovskite multiferroic heterostructures for high performance photovoltaic applications	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES Manish Kumar et al.	MATERIALS LETTERS	2023
13	Magnetic and electronic properties of $\text{KMn}_{1-x}\text{M}_x\text{Bi}$ ($\text{M} = \text{Cu}, \text{Mg}, \text{Zn}$) solid solutions	ESPIRIDION MARTINEZ AGUILAR JOSE ISRAEL BETANCOURT REYES JESUS MARIA SIQUEIROS BELTRONES et al.	SOLID STATE COMMUNICATIONS	2023
14	Investigations on Dielectric, Transport, and Ferroelectric Properties of Ca-Modified $\text{Bi}_{0.80}\text{La}_{0.20}\text{FeO}_3$ Ceramic Synthesized by Solid State Reaction Route	SUBHASH SHARMA ROSARIO ISIDRO YOCUPICIO GAXIOLA JESUS MARIA SIQUEIROS BELTRONES et al.	JOURNAL OF ELECTRONIC MATERIALS	2023
15	A recent look at high-entropy ceramics based on doping engineering/ technology and the future scope of their novel applications	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	MATERIALS LETTERS	2023

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16	Stability and physical properties of the K, Na and Nb doped BiFeO ₃ lead-free system synthesized by the solid state route	SUBHASH SHARMA MA. DE LA PAZ CRUZ JAUREGUI JESUS MARIA SIQUEIROS BELTRONES et al.	CERAMICS INTERNATIONAL	2023
17	Ferroelectricity in Zn _{1-x} Mg _x O solid solutions	ESPIRIDION MARTINEZ AGUILAR OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES et al.	CURRENT APPLIED PHYSICS	2023
18	Stability of rhombohedral structure and improved dielectric and ferroelectric properties of Ba, Na, Ti doped BiFeO ₃ solid solutions	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	CERAMICS INTERNATIONAL	2022
19	Synthesis and Optimization of BiFeO ₃ and La-Doped BiFeO ₃ Prepared by the Solid State Reaction Method	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	Minerals Metals & Materials Series	2022
20	Predicting the stability and electronic structure of alkali metal aurides	JESUS MARIA SIQUEIROS BELTRONES JONATHAN GUERRERO SANCHEZ Axel M. Gaona Carranza et al.	JOURNAL OF PHYSICS-COND ENSED MATTER	2022
21	Tunable Optical and Multiferroic Properties of Zirconium and Dysprosium Substituted Bismuth Ferrite Thin Films	JESUS MARIA SIQUEIROS BELTRONES Priya A.S. Geetha D. et al.	Molecules	2022
22	Optimization of SrRuO ₃ bottom electrodes fabricated by RF magnetron ion sputtering for new generation devices	SUBHASH SHARMA RAUL CAMPOS MENDOZA ROSARIO ISIDRO YOCUPICIO GAXIOLA et al.	INTERNATIONAL CONFERENCES & EXHIBITION ON NANOTECHNOL OGIES, ORGANIC ELECTRONICS & NANOMEDICINE, NANOTEXNOLO GY 2020, PT 1	2021
23	Structural, dielectric, ferroelectric and optical properties of Er doped BiFeO ₃ nanoparticles	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA	JOURNAL OF ALLOYS AND COMPOUNDS	2021
24	Structural, Raman analysis and exchange bias effects in Mn doped multiferroic Bi _{0.80} La _{0.10} Ca _{0.10} Fe _{1-x} Mn _x O ₃ ceramics	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	CERAMICS INTERNATIONAL	2021
25	Structural, ferroelectric, and optical properties of Bi ³⁺ doped YFeO ₃ : A first-principles study	ESPIRIDION MARTINEZ AGUILAR JESUS MARIA SIQUEIROS BELTRONES Hmok H. et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2021

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26	Unveiling Quantum Superparamagnetism by Interacting Monodomains in Multiferroic Er-Doped Bismuth Ferrate Nanostructured Particles	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2021
27	Contact resonance frequencies and their harmonics in scanning probe microscopy	EDUARDO ANTONIO MURILLO BRACAMONTES JOSE JUAN GERVACIO ARCINIEGA JESUS MARIA SIQUEIROS BELTRONES et al.	IET SCIENCE MEASUREMENT & TECHNOLOGY	2021
28	An analysis of the ferroelastic transition in Pb(Zr _{0.53} Ti _{0.47})O ₃ :Gd through the elastic stiffness constant	JESUS MARIA SIQUEIROS BELTRONES Y. de Armas Figueroa J. Portelles et al.	PHASE TRANSITIONS	2021
29	Novel photoactive magnetic semiconductor nanocomposites with potential magneto-optical properties	OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES Juan Guillermo Garcia et al.	Applied Nanoscience	2021
30	Structural and Electrical Behavior of (0.70)BiFe _{1-x} Co _x O ₃ -(0.30)PbTiO ₃ Solid Solutions Prepared by Simple Sol-Gel Route	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY	2021
31	First-principles study of the coexisting ferroelectric and ferromagnetic properties of the La _{0.75} Bi _{0.25} CrO ₃ compound	JESUS MARIA SIQUEIROS BELTRONES Martínez-Aguilar E. Hmo?k H.L. et al.	COMPUTATIONA L MATERIALS SCIENCE	2020
32	Effect of La ³⁺ /Sr ²⁺ ordering on the magnetic properties of La _{2/3} Sr _{1/3} MnO ₃ by first principles calculations	ESPIRIDION MARTINEZ AGUILAR JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	COMPUTATIONA L MATERIALS SCIENCE	2020
33	Superparamagnetic state in La _{0.7} Sr _{0.3} MnO ₃ thin films obtained by rf-sputtering	JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA Ramírez Camacho M.C. et al.	SCIENTIFIC REPORTS	2020
34	Phase evolution, magnetic study and evidence of spin-two phonon coupling in Ca modified Bi _{0.80} La _{0.20} FeO ₃ ceramics	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2020
35	Correction to: Investigation of electrical, magneto-dielectric and transport properties of multiferroic (1 - x) BiFeO ₃ ?(x) Ba _{0.7} Sr _{0.3} TiO ₃ solid solutions (Journal of Materials Science: Materials in Electronics, (2019), 30, 8, (7447-7459), 10.1007/s10854-019-01058-w)	SUBHASH SHARMA MA. DE LA PAZ CRUZ JAUREGUI JESUS MARIA SIQUEIROS BELTRONES et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2020
36	Structural, electronic and ferroelectric properties of Zn _{93.75} M _{6.25} O (M = Sr, Ba): first-principles calculations	ESPIRIDION MARTINEZ AGUILAR JESUS MARIA SIQUEIROS BELTRONES HLinH Hmok et al.	SCRIPTA MATERIALIA	2020

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37	Room-temperature ferromagnetism on ZnO nanoparticles doped with Cr: An experimental and theoretical analysis	SUBHASH SHARMA JONATHAN GUERRERO SANCHEZ JESUS MARIA SIQUEIROS BELTRONES et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2020
38	Coexistence of two ferroelectric phases and improved room-temperature multiferroic properties in the (0.70)BiFe1-xCoxO3-(0.30)PbTiO3 system	SUBHASH SHARMA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	JOURNAL OF APPLIED PHYSICS	2020
39	The role of the interface on magnetic properties for YFeO3@Al2O3 core-shell structure	HUGO ALEJANDRO BORBON NUÑEZ HUGO JESUS TIZNADO VAZQUEZ JOSE MANUEL ROMO HERRERA et al.	Sn Applied Sciences	2019
40	Investigation of electrical, magneto-dielectric and transport properties of multiferroic (1 - x) BiFeO 3 ?(x) BaSr 0.7 Ti 0.3 O 3 solid solutions	SUBHASH SHARMA MA. DE LA PAZ CRUZ JAUREGUI JESUS MARIA SIQUEIROS BELTRONES et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2019
41	Effect of La doping on the ferroelectric and optical properties of BiFeO3: a theoretical-experimental study	ESPIRIDION MARTINEZ AGUILAR JESUS MARIA SIQUEIROS BELTRONES H. Linh Hmok	MATERIALS RESEARCH EXPRESS	2019
42	Dielectric and structural characterization and effective piezoelectric coefficient of KDP/p-Benzoquinone ceramic composites	JOSE JUAN GERVACIO ARCINIEGA JESUS MARIA SIQUEIROS BELTRONES Pérez-Valverde M.I. et al.	CERAMICS INTERNATIONAL	2019
43	Li, La, Ta doped KNN ceramics obtained by RTGG	JOSE JUAN GERVACIO ARCINIEGA OSCAR RAYMOND HERRERA JESUS LEONARDO HEIRAS AGUIRRE et al.	Ferroelectrics	2018
44	Tailoring the properties of BiFeO 3 for photovoltaic applications through first-principles calculations	ESPIRIDION MARTINEZ AGUILAR MARIA GUADALUPE MORENO ARMENTA JESUS MARIA SIQUEIROS BELTRONES et al.	Ferroelectrics	2018
45	Investigations on the physical properties of Mn-modified ZnO samples prepared by sol-gel route	JESUS MARIA SIQUEIROS BELTRONES Srinet G. Sharma S. et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2018
46	Structural stability, enhanced magnetic, piezoelectric, and transport properties in (1-x)BiFeO3-(x)Ba0.70Sr0.30TiO3 nanoparticles	JESUS MARIA SIQUEIROS BELTRONES Subhash Sharma Vikash Singh et al.	JOURNAL OF APPLIED PHYSICS	2018
47	Multiferroic YCrO 3 thin films: Structural, ferroelectric and magnetic properties	JOSE JUAN GERVACIO ARCINIEGA EDUARDO ANTONIO MURILLO BRACAMONTES OSCAR EDEL CONTRERAS LOPEZ et al.	APPLIED SURFACE SCIENCE	2018

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48	Structural, electrical, optical and dielectric properties of sol-gel derived (1-x) BiFeO ₃ - (x) Pb(Zr _{0.52} Ti _{0.48})O-3 novel multiferroics materials	JESUS MARIA SIQUEIROS BELTRONES Sharma, Subhash Srinet, Gunjan et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2018
49	Structure and piezo-ferroelectricity relationship study of (K _{0.5} Na _{0.5}) _{0.985} La _{0.005} NbO ₃ epitaxial films deposited on SrTiO ₃ by sputtering	JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA H'Mok H'. et al.	SCIENTIFIC REPORTS	2017
50	Dielectric spectroscopic study of (K _{0.44} Na _{0.52} Li _{0.04}) _{0.97} La _{0.01} Nb _{0.9} Ta _{0.103} ceramics	OSCAR RAYMOND HERRERA MA. DE LA PAZ CRUZ JAUREGUI JESUS MARIA SIQUEIROS BELTRONES et al.	JOURNAL OF APPLIED PHYSICS	2017
51	Room temperature ferromagnetism and ferroelectricity in strained multiferroic BiFeO ₃ thin films on La _{0.7} Sr _{0.3} MnO ₃ /SiO ₂ /Si substrates	JOSE JUAN GERVACIO ARCINIEGA JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA et al.	ACTA MATERIALIA	2017
52	An alternative scheme to measure single-point hysteresis loops using piezoresponse force microscopy	JOSE JUAN GERVACIO ARCINIEGA EDUARDO ANTONIO MURILLO BRACAMONTES JESUS MARIA SIQUEIROS BELTRONES et al.	Measurement	2017
53	Multiferroic properties of the Y ₂ BiFe ₅ O ₁₂ garnet	JESUS MARIA SIQUEIROS BELTRONES Duran, A. Ostos, C. et al.	JOURNAL OF APPLIED PHYSICS	2017
54	Nanofrictional behavior of amorphous, polycrystalline and textured Y-Cr-O films	JOSE JUAN GERVACIO ARCINIEGA JESUS MARIA SIQUEIROS BELTRONES Flores-Ruiz, F. J. et al.	APPLIED SURFACE SCIENCE	2016
55	Improvement of the dielectric and ferroelectric properties of multiferroic Pb(Fe _{1/2} Nb _{1/2})O ₃ ceramics processed in oxygen atmosphere	OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES Font, Reynaldo et al.	JOURNAL OF MATERIALS SCIENCE	2016
56	YCrO ₃ /Al ₂ O ₃ Core-Shell Design: The Effect of the Nanometric Al ₂ O ₃ -Shell on Dielectric Properties	HUGO JESUS TIZNADO VAZQUEZ JOSE MANUEL ROMO HERRERA MANUEL HERRERA ZALDIVAR et al.	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	2016
57	Atomic force acoustic microscopy: Influence of the lateral contact stiffness on the elastic measurements	JESUS MARIA SIQUEIROS BELTRONES Flores-Ruiz, F. J. Espinoza-Beltran, F. J. et al.	Ultrasonics	2016
58	UV dosimeters based on Metal-Oxide-Semiconductor structures containing Si nanocrystals	OSCAR EDEL CONTRERAS LOPEZ OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES et al.	SENSOR LETTERS	2015
59	Reduction of the Curie temperature in the multiferroic Bi ₅ Fe _{1+x} Ti _{3-x} O ₁₅ solid solution	JESUS MARIA SIQUEIROS BELTRONES Salazar-Kuri U. Mendoza M.E. et al.	MATERIALS RESEARCH EXPRESS	2014

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60	MOS structures containing Si nanocrystals for applications in UV dosimeters	OSCAR EDEL CONTRERAS LOPEZ JESUS MARIA SIQUEIROS BELTRONES Arias A. et al.	Key Engineering Materials	2014
61	Electrical characterization of interface defects in MOS structures containing silicon nanoclusters	OSCAR EDEL CONTRERAS LOPEZ OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES et al.	Advanced Materials Research	2014
62	Influence of the sintering conditions on the microstructural, dielectric and piezoelectric properties of La doped KNNTa ceramics	OSCAR RAYMOND HERRERA JESUS LEONARDO HEIRAS AGUIRRE JESUS MARIA SIQUEIROS BELTRONES et al.	REVISTA CUBANA DE FISICA	2014
63	Piezoelectric and ferroelectric response enhancement in multiferroic YCrO ₃ films by reduction in thickness	MA. DE LA PAZ CRUZ JAUREGUI D. Valdespino JOSE JUAN GERVAO ARCINIEGA et al.	MATERIALS LETTERS	2014
64	Multiferroic properties and magnetoelectric coupling in highly textured Pb(Fe _{0.5} Nb _{0.5})O ₃ thin films obtained by RF sputtering	OSCAR RAYMOND HERRERA Mario Curiel ROBERTO MACHORRO MEJIA et al.	ACTA MATERIALIA	2014
65	Nanocomposite YCrO ₃ /Al ₂ O ₃ : Characterization of the core-shell, magnetic properties, and enhancement of dielectric properties	ALEJANDRO CESAR DURAN HERNANDEZ HUGO JESUS TIZNADO VAZQUEZ JOSE MANUEL ROMO HERRERA et al.	INORGANIC CHEMISTRY	2014
66	Dielectric and piezoelectric properties of the KNN ceramic compound doped with Li, La and Ta	OSCAR RAYMOND HERRERA JESUS LEONARDO HEIRAS AGUIRRE MA. DE LA PAZ CRUZ JAUREGUI et al.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2014
67	Electrical characterization of MOS structures with silicon nanocrystals suitable for X-ray detection	OSCAR EDEL CONTRERAS LOPEZ JESUS MARIA SIQUEIROS BELTRONES Mateos D. et al.	Key Engineering Materials	2013
68	Propiedades dieléctricas de la cerámica Ba(Zr _{0.05} Ti _{0.95})O ₃ modificada con la	JESUS MARIA SIQUEIROS BELTRONES Vázquez O. Fundora A.	REVISTA CUBANA DE FISICA	2013
69	TEM and spectroscopic ellipsometry studies of multilayer gate dielectrics containing crystalline and amorphous Si nanoclusters	D. Mateos M. A. Curiel ROBERTO MACHORRO MEJIA et al.	PHYSICA E-LOW-DIMENSI ONAL SYSTEMS & NANOSTRUCTUR ES	2013
70	A ferroelastic phase transition in Pb(Zr _{0.53} Ti _{0.47})O ₃ :Gd	J. Portelles J. Fuentes OSCAR RAYMOND HERRERA et al.	JOURNAL OF APPLIED PHYSICS	2013

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71	PFM characterization of $(K_{0.5}Na_{0.5})(0.95)La-0.05(Nb_{0.9}Ti_{0.05})O-2.9$ ceramics lead free	J. Portelles J. Fuentes OSCAR RAYMOND HERRERA et al.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2013
72	A study of the dielectric and magnetic properties of multiferroic materials using the Monte Carlo method	JESUS LEONARDO HEIRAS AGUIRRE JESUS MARIA SIQUEIROS BELTRONES Sosa, A et al.	AIP ADVANCES	2012
73	Structural and dielectric properties of La- and Ti-modified $K_{0.5}Na_{0.5}NbO_3$ ceramics	J. Portelles OSCAR RAYMOND HERRERA JESUS LEONARDO HEIRAS AGUIRRE et al.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2012
74	Phase transition in multiferroic $YMnO_3$ and its solid solution $YMn(0.93)Fe(0.07)O_3$	JESUS MARIA SIQUEIROS BELTRONES Salazar-Kuri, U. Mendoza, M. E.	PHYSICA B-CONDENSED MATTER	2012
75	Study of lead-free ceramics of the $[(K_{0.5}Na_{0.5})_{0.94}Li_{0.06}]_{0.97}La_{0.01}(Nb_{0.9}Ta_{0.1})O_3$ piezoelectric composite [Estudio de cerámicas libres de plomo del compuesto piezoeléctrico $[(K_{0.5}Na_{0.5})_{0.94}Li_{0.06}]_{0.97}La_{0.01}(Nb_{0.9}Ta_{0.1})O_3$	OSCAR RAYMOND HERRERA JESUS LEONARDO HEIRAS AGUIRRE JESUS MARIA SIQUEIROS BELTRONES et al.	REVISTA CUBANA DE FISICA	2012
76	Ferroelectricity, ferromagnetism, and magnetoelectric coupling in highly textured thin films of the multiferroic $Pb(Fe_{0.5}Nb_{0.5})O_3$	OSCAR RAYMOND HERRERA ROBERTO MACHORRO MEJIA JESUS MARIA SIQUEIROS BELTRONES et al.	Materials Research Society Symposium Proceedings	2012
77	Magnetoelectric coupling study in multiferroic $Pb(Fe(0.5)Nb(0.5))O(3)$ ceramics through small and large electric signal standard measurements	OSCAR RAYMOND HERRERA Reynaldo Font Jorge Portelles et al.	JOURNAL OF APPLIED PHYSICS	2011
78	Nano and Micro Reoriented Domains and Their Relation with the Crystal Structure in the New $Fe_{1.5}Zn_{1.5}B_7O_{13}Cl$ Boracite	IVONNE ROSALES CHAVEZ LAURO BUCIO GALINDO FELIPE FRANCISCO CASTILLON BARRAZA et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2011
79	Room temperature thermal properties of $Pb(Fe_{1/2}Nb_{1/2})O-3$ ferroelectromagnetic ceramics	R. Font OSCAR RAYMOND HERRERA J. Portelles et al.	REVISTA MEXICANA DE FISICA	2011
80	Highly textured Sr, Nb co-doped $BiFeO_3$ thin films grown on $SrRuO_3/Si$ substrates by rf- sputtering	MARIA DEL PILAR OSTOS CETINA OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES et al.	JOURNAL OF APPLIED PHYSICS	2011

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81	Ferroelectric hysteresis and aging effect analysis in multiferroic $\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_{-3}$ ceramics	R. Font OSCAR RAYMOND HERRERA J. Portelles et al.	JOURNAL OF APPLIED PHYSICS	2009
82	Structural study of $\text{Sr}_{0.3}\text{Ba}_{0.7}\text{Nb}_2\text{O}_6$ and $\text{La}_{0.030}\text{Sr}_{0.255}\text{Ba}_{0.700}\text{Nb}_2\text{O}_6$ ceramic systems	J. A. Luna Lopez J. Portelles OSCAR RAYMOND HERRERA et al.	MATERIALS CHEMISTRY AND PHYSICS	2009
83	Evidence of magnetoelectric coupling in $\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3$ ceramics through impedance spectroscopy, electromechanical resonance, and standard hysteresis measurements	JESUS MARIA SIQUEIROS BELTRONES OSCAR RAYMOND HERRERA Font R. et al.	Materials Research Society Symposium Proceedings	2009
84	Evidence of magnetoelectric coupling in $\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3$ ceramics through impedance spectroscopy, electromechanical resonance, and standard hysteresis measurements	OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES Font R. et al.	Materials Research Society Symposium Proceedings	2009
85	Evidence of magnetoelectric coupling in $\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3$ ceramics through impedance spectroscopy, electromechanical resonance, and standard hysteresis measurements raymond	OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES Font R. et al.	Materials Research Society Symposium Proceedings	2009
86	Electrical properties and diffuse phase transition of the Sr $0.3-3y/2\text{La}y\text{Ba}_{0.7}\text{Nb}_2\text{O}_6$ ceramic system	OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES Luna-Lopez J.A. et al.	IEEE International Symposium On Applications Of Ferroelectrics	2008
87	Magnetic and electric properties of TbMnO_3 doped with Al, Ga, B and In	JESUS LEONARDO HEIRAS AGUIRRE JESUS MARIA SIQUEIROS BELTRONES Pérez F. et al.	Materials Research Society Symposium Proceedings	2008
88	An anomaly in the temperature dependence of the electromechanical properties of Gd doped $\text{PZT}_{53/47}$	OSCAR RAYMOND HERRERA JESUS LEONARDO HEIRAS AGUIRRE JESUS MARIA SIQUEIROS BELTRONES et al.	Materials Research Society Symposium Proceedings	2008
89	Structural properties of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})(0.90)\text{Ti}_{0.10}\text{O}_3$ films deposited by pulsed laser ablation on titanium nitride substrates	A. Fundora JESUS MARIA SIQUEIROS BELTRONES Martinez, E. et al.	REVISTA MEXICANA DE FISICA	2008

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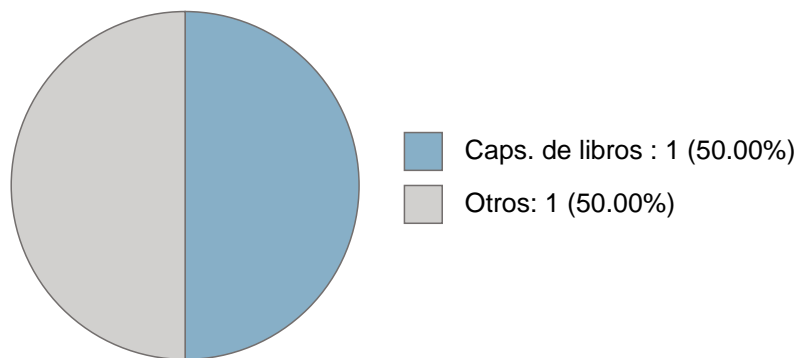
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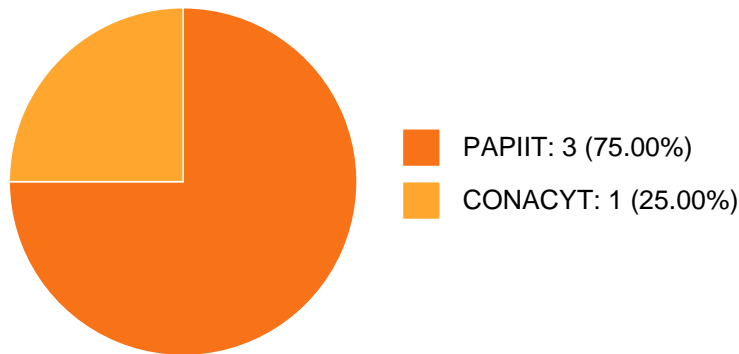


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1	Ferroelectricidad:¿Tiene efecto el tamaño?	ALEJANDRO CESAR DURAN HERNANDEZ MA. DE LA PAZ CRUZ JAUREGUI JESUS MARIA SIQUEIROS BELTRONES	Capítulo de un Libro	2016	9786070281440
2	Metal-oxide-semiconductor structures with two and three-region gate dielectric containing silicon nanocrystals: Structural, infrared and electrical properties	OSCAR EDEL CONTRERAS LOPEZ OSCAR RAYMOND HERRERA JESUS MARIA SIQUEIROS BELTRONES et al.	Conferencia y Paper	2013	9781482205817

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Optimización del efecto fotovoltaico en ferroeléctricos	JESUS MARIA SIQUEIROS BELTRONES	Recursos PAPIIT	01-01-2017	31-12-2019
2	Caracterización de materiales para dispositivos nanoestructurados.	JESUS MARIA SIQUEIROS BELTRONES	Recursos CONACYT	17-05-2017	16-05-2018
3	Materiales para celdas solares basadas en el efecto fotovoltaico de bulto.	JESUS MARIA SIQUEIROS BELTRONES	Recursos PAPIIT	01-01-2020	31-12-2022
4	Materiales para celdas solares basadas en el efecto fotovoltaico de bulto	JESUS MARIA SIQUEIROS BELTRONES	Recursos PAPIIT	01-01-2023	31-12-2024



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



JESUS MARIA SIQUEIROS BELTRONES

PARTICIPACIÓN EN TESIS

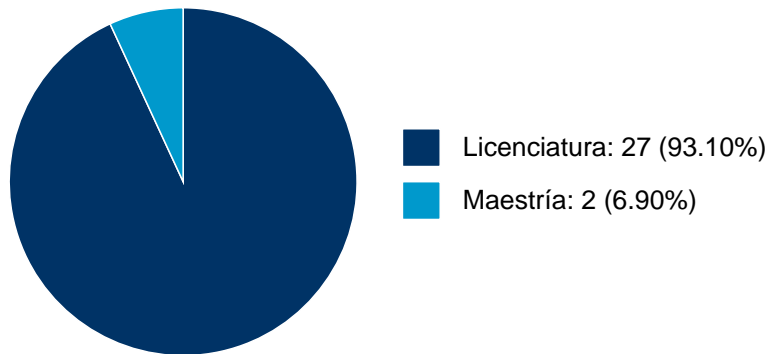
No se encuentran registros en la base de datos de TESIUNAM asociados a:

JESUS MARIA SIQUEIROS BELTRONES

JESUS MARIA SIQUEIROS BELTRONES

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	18	2023-2
2	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	19	2023-1
3	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	24	2022-2
4	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	25	2022-1
5	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	27	2021-2
6	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	29	2021-1
7	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	24	2020-2

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8	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	26	2020-1
9	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	26	2019-2
10	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	28	2019-1
11	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	25	2018-2
12	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	27	2018-1
13	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	26	2017-2
14	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	14	2017-1
15	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	14	2017-1
16	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II-332577	Centro de Nanociencias y Nanotecnología en la UNAM	12	2016-2
17	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II-332578	Centro de Nanociencias y Nanotecnología en la UNAM	9	2016-2
18	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I-331664	Centro de Nanociencias y Nanotecnología en la UNAM	22	2016-1
19	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	25	2015-2
20	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	29	2015-1
21	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	2	2014-2

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22	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	30	2014-2
23	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	17	2014-1
24	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	16	2014-1
25	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	11	2013-2
26	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD I	Centro de Nanociencias y Nanotecnología en la UNAM	12	2013-1
27	Licenciatura	TEM.SEL.ING.NANOTEC.Y SOCIEDAD II	Centro de Nanociencias y Nanotecnología en la UNAM	11	2012-2
28	Maestría	DISPOSITIVOS ELECTRONICOS	Instituto de Investigaciones en Materiales	1	2011-1
29	Maestría	METODOS DE PREPARACION DE MATERIALES CERAMICOS	Instituto de Investigaciones en Materiales	1	2008-2



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JESUS MARIA SIQUEIROS BELTRONES

TUTORIAS EN POSGRADO

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

JESUS MARIA SIQUEIROS BELTRONES



JESUS MARIA SIQUEIROS BELTRONES

PATENTES

#	Título	Inventores	Sección	Año
1	SÍNTESIS DE NANOCOMPUESTOS FORMADOS POR NANOPARTÍCULAS METÁLICAS Y/O SEMICONDUCTORAS EMBEBIDAS EN ZEOLITAS SINTÉTICAS TIPO MORDENITA.	JESUS MARIA SIQUEIROS BELTRONES, ERIC FLORES AQUINO, OSCAR RAYMOND HERRERA,	PERFORMING OPERATIONS; TRANSPORTING	2018

JESUS MARIA SIQUEIROS BELTRONES

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