



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



GUILLERMO MANUEL HERRERA PEREZ

Datos Generales

Nombre: GUILLERMO MANUEL HERRERA PEREZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 11 años

Nombramientos

Último: PROFESOR ASIGNATURA A TP No Definitivo
Escuela Nacional Preparatoria Plantel 7 "Ezequiel
A. Chávez"
Desde 16-07-2014 hasta 30-09-2014

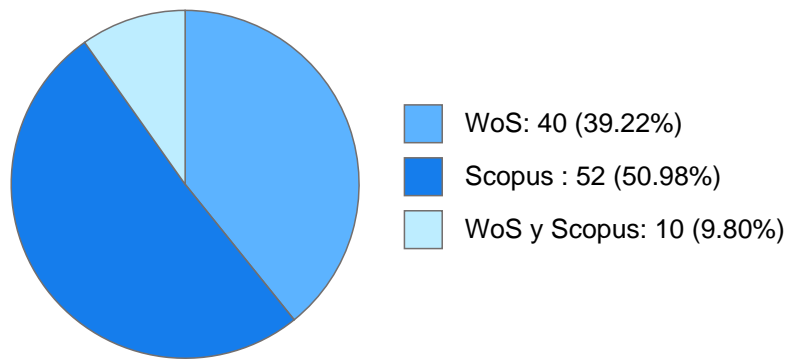
Estímulos, programas, premios y reconocimientos

SNI I 2015 - 2023

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Point defects substitution mechanism in indium-doped LiNbO3 single crystals revealed by UV-Visible and Micro-Raman analysis	GUILLERMO MANUEL HERRERA PEREZ JAIME CASTILLO TORRES Murillo-Ramírez J.G. et al.	OPTICAL MATERIALS	2023
2	Dispersion of graphite, Ceria, and nanohybrid Ceria-graphite in the 6063 aluminum alloy through powder metallurgy	GUILLERMO MANUEL HERRERA PEREZ Camacho-Rios M.L. Garay-Reyes C.G. et al.	MATERIALS CHEMISTRY AND PHYSICS	2022
3	Band gap, complex dielectric function, and optical properties of Sb-doped lead-free KNN piezo-ceramics analyzed by VEELS-TEM	GUILLERMO MANUEL HERRERA PEREZ Leal-Perez J.E. Umoh G.V. et al.	MATERIALS CHEMISTRY AND PHYSICS	2022
4	Influence of ex-situ thermal treatment on the chemical states, microstructure and ferroelectrics properties of polycrystalline BiMnO3-d thin films	GABRIEL ROJAS GEORGE GUILLERMO MANUEL HERRERA PEREZ Umoh G.V. et al.	Thin Solid Films	2022
5	Enhancing Pr1-xBaxMnO3-d perovskite charge-transport by electronic structure modulation	GUILLERMO MANUEL HERRERA PEREZ Martinez-Rodriguez H.A. Jurado J.F. et al.	JOURNAL OF MATERIALS SCIENCE	2021
6	Inside the electronic structure of the garnet: A mixed ab initio and experimental study	GUILLERMO MANUEL HERRERA PEREZ García-Guaderrama M. Fuentes-Montero M.E. et al.	PHYSICAL REVIEW B	2021

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7	Complex dielectric function and opto-electronic characterization using VEELS for the lead-free BCZT electro-ceramic perovskite	GUILLERMO MANUEL HERRERA PEREZ A. Reyes Montero C. Ornelas-Gutierrez et al.	Micron	2021
8	Copper oxide nanoparticles slightly affect diversity and metabolic profiles of the prokaryotic community in pecan tree (<i>Carya illinoensis</i>) rhizospheric soil	GUILLERMO MANUEL HERRERA PEREZ Salas-Leiva J. Salas-Leiva D.E. et al.	APPLIED SOIL ECOLOGY	2021
9	Electronic structure comparison of Cu 2p and O 1s X-Ray photoelectron spectra for Cu_xO nanofibers ($x = 1, 2, i$)	GUILLERMO MANUEL HERRERA PEREZ Ochoa-Lara M.T. Camacho-Ríos M.L. et al.	MATERIALS CHEMISTRY AND PHYSICS	2021
10	Electronic configuration and magnetic properties of $La_{0.7}Ca_{0.3}Mn_{1-x}Fe_xO_3$ perovskite NPs: The effect of a lower Fe^{3+} concentration	GUILLERMO MANUEL HERRERA PEREZ Martinez-Rodriguez H.A. Onyekachi K. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2020
11	Microstructural and optical properties of ZnO coatings from colloidal inks	GUILLERMO MANUEL HERRERA PEREZ Morales-Mendoza J.E. López-Martinez E.I. et al.	JOURNAL OF NANOPARTICLE RESEARCH	2020
12	Multiplet structure for perovskite-type $Ba_{0.9}Ca_{0.1}Ti_{0.9}Zr_{0.1}O_3$ by core-hole spectroscopies	GUILLERMO MANUEL HERRERA PEREZ SELENE PEREZ GARCIA Solis-Canto O. et al.	JOURNAL OF APPLIED PHYSICS	2020
13	The influence of chelating agents on cerium oxide decorated on graphite synthesized by the hydrothermal route	GUILLERMO MANUEL HERRERA PEREZ Camacho-Ríos M.L. Cristóbal-García J.D. et al.	CERAMICS INTERNATIONAL	2020
14	structure and optical properties of ZnO and ZnO ₂ nanoparticles	GUILLERMO MANUEL HERRERA PEREZ Morales-Mendoza J.E. Paraguay-Delgado F. et al.	JOURNAL OF NANO RESEARCH	2019
15	Effects of local distortion on the electrical properties of lead free perovskite-type electro-ceramics $Ba_{1-x}Ca_xTi_{0.9}Zr_{0.1}O_3$	GUILLERMO MANUEL HERRERA PEREZ Reyes-Montero A. Canche-Tello J. et al.	XLII SYMPOSIUM ON NUCLEAR PHYSICS 2019	2019
16	Local piezo-response for lead-free $Ba_{0.9}Ca_{0.1}Ti_{0.9}Zr_{0.1}O_3$ electro-ceramic by switching spectroscopy	GUILLERMO MANUEL HERRERA PEREZ Castillo-Sandoval I. Solís-Canto O. et al.	MATERIALS RESEARCH-IBER O-AMERICAN JOURNAL OF MATERIALS	2018
17	Polyvinylpyrrolidone influence on physical properties of Cu_2ZnSnS_4 nanoparticles	GUILLERMO MANUEL HERRERA PEREZ ROBERTO YSACC SATO BERRU NINI ROSE MATHEWS et al.	JOURNAL OF MATERIALS SCIENCE-MATER IALS IN ELECTRONICS	2018
18	Highly curved image sensors: A practical approach for improved optical performance	GUILLERMO MANUEL HERRERA PEREZ Guenter, B. Joshi, N. et al.	OPTICS EXPRESS	2017

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19	Band gap measurement of Bi ₂ MoxW _{1-x} O ₆ by low loss electron energy loss spectroscopy	GUILLERMO MANUEL HERRERA PEREZ Morales-Cruz D. Paraguay-Delgado F. et al.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2017
20	Effect of Zn doping on the photoluminescence properties of LiNbO ₃ single crystals	GUILLERMO MANUEL HERRERA PEREZ Murillo, J.G. Vega-Rios, A. et al.	OPTICAL MATERIALS	2016
21	Synthesis, characterization of FexZr _{1-x} O ₂ solid solution nanoparticles and bulk powders prepared using a sol-gel technique	GUILLERMO MANUEL HERRERA PEREZ Doménech-Carbo A. Montoya N. et al.	Ceramic Transactions	2015
22	Electrochemistry of iron-doped zircon and zirconia materials and electrocatalytic effects on nitrite oxidation and reduction	GUILLERMO MANUEL HERRERA PEREZ Doménech-Carbó A. Montoya N. et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2014
23	Synthesis, characterization and electrochemical properties of iron-zirconia solid solution nanoparticles prepared using a sol-gel technique	GUILLERMO MANUEL HERRERA PEREZ Montoya N. Doménech-Carbó A. et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2013
24	Effect of zinc concentration on the microstructure and relaxation frequency of Mn-Zn ferrites synthesized by solid state reaction	AIDA ZAPATA CRUZ GUILLERMO MANUEL HERRERA PEREZ	CERAMICS INTERNATIONAL	2013
25	X-Ray Absorption to Determine the Metal Oxidation State of Transition Metal Compounds	JOSE IGNACIO JIMENEZ MIER Y TERAN PAUL OLALDE VELASCO GIOVANNI ALBERTO CARABALI SANDOVAL et al.	AIP Conference Proceedings	2013
26	OSIRIS tunable imager and spectrograph for the GTC. From design to commissioning	BEATRIZ SANCHEZ Y SANCHEZ OSCAR ARMANDO CHAPA HERNANDEZ CARLOS ALBERTO ESPEJO PIEDRA et al.	Proceedings of SPIE	2012
27	The status of the Quijote multi-frequency instrument	GUILLERMO MANUEL HERRERA PEREZ Hoyland R.J. Aguiar-González M. et al.	Proceedings of SPIE	2012
28	Microstructure of Fe-ZrSiO ₄ solid solutions prepared from gels	GUILLERMO MANUEL HERRERA PEREZ Montoya N. Alarcón J.	JOURNAL OF THE EUROPEAN CERAMIC SOCIETY	2012
29	Microstructure dependence of the magnetic properties of sintered Ni-Zn ferrites by solid-state reaction doped with V ₂ O ₃	GUILLERMO MANUEL HERRERA PEREZ Pérez-Moreno M.M.	JOURNAL OF MATERIALS SCIENCE	2012

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30	Lightweight thermal energy recovery system based on shape memory alloys: A DOE ARPA-E initiative	GUILLERMO MANUEL HERRERA PEREZ Browne A.L. Keefe A.C. et al.	Proceedings of SPIE	2012
31	Characterization of ZnO nanoparticles with short-bar shape produced by chemical precipitation	GUILLERMO MANUEL HERRERA PEREZ Medina, A. Bejar, L. et al.	MATERIALS LETTERS	2012
32	The IR-camera of the JEM-EUSO space observatory	GUILLERMO MANUEL HERRERA PEREZ De Los Ríos J.A.M. Sáez-Cano G. et al.	Proceedings Of The 32nd International Cosmic Ray Conference, Icrc 2011	2011
33	Atmospheric monitoring system of JEM-EUSO	GUILLERMO MANUEL HERRERA PEREZ Neronov A. Wada S. et al.	Proceedings Of The 32nd International Cosmic Ray Conference, Icrc 2011	2011
34	CCD photometry of M15	LEONARDO JAVIER SANCHEZ PENICHE GUILLERMO MANUEL HERRERA PEREZ Ruelas A. et al.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2011
35	Use of intrinsic electrical resistance changes in shape memory alloys as robust actuator state and fault detection sensors	GUILLERMO MANUEL HERRERA PEREZ McKnight G.P. Gao X. et al.	Asme 2011 Conference On Smart Materials, Adaptive Structures And Intelligent Systems, Smais 2011	2011
36	Synthesis and characterization of iron-doped ZrSiO ₄ solid solutions from gels	GUILLERMO MANUEL HERRERA PEREZ Montoya N. Alarcón J.	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	2011
37	Synthesis and characterization of praseodymium-containing ZrSiO ₄ solid solutions from gels	GUILLERMO MANUEL HERRERA PEREZ Montoya N. Alarcón J.	CERAMICS INTERNATIONAL	2011

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38	Active material based active sealing technology: Part I. Active seal requirements vs. active material actuator properties	GUILLERMO MANUEL HERRERA PEREZ Henry C.P. Carter W. et al.	Proceedings of SPIE	2010
39	Domain wall dispersions: Relaxation and resonance in Ni-Zn ferrite doped with V ₂ O ₃	GUILLERMO MANUEL HERRERA PEREZ	JOURNAL OF APPLIED PHYSICS	2010
40	Segmented reinforcement variable stiffness materials for reconfigurable surfaces	GUILLERMO MANUEL HERRERA PEREZ McKnight G. Doty R. et al.	JOURNAL OF INTELLIGENT MATERIAL SYSTEMS AND STRUCTURES	2010
41	Structural and morphology comparison between m-LaVO ₄ and LaVO ₃ compounds prepared by sol-gel acrylamide polymerization and solid state reaction	GUILLERMO MANUEL HERRERA PEREZ ELIZABETH CHAVIRA MARTINEZ JOSE IGNACIO JIMENEZ MIER Y TERAN et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2009
42	Electronic structure of d0 vanadates obtained by x-ray absorption and emission spectroscopies	GUILLERMO MANUEL HERRERA PEREZ JOSE IGNACIO JIMENEZ MIER Y TERAN ELIZABETH CHAVIRA MARTINEZ et al.	AIP Conference Proceedings	2009
43	Synthesis and structural characterization of YVO ₃ prepared by sol-gel acrylamide polymerization and solid state reaction methods	GUILLERMO MANUEL HERRERA PEREZ ELIZABETH CHAVIRA MARTINEZ JOSE IGNACIO JIMENEZ MIER Y TERAN et al.	JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY	2008
44	Tip-tilt mirror control based on FPGA for an adaptive optics system	GUILLERMO MANUEL HERRERA PEREZ Gago F. Rodríguez-Ramos L. et al.	Proceedings - 2007 3rd Southern Conference On Programmable Logic, Spl'07	2007
45	Bill Armstrong memorial session: Elastic modulus and strain recovery testing of variable stiffness composites for structural reconfiguration applications	GUILLERMO MANUEL HERRERA PEREZ McKnight G. Doty R. et al.	Proceedings of SPIE	2007
46	Study of the electronic structure of transition metal compounds by absorption and emission of X-rays	JOSE IGNACIO JIMENEZ MIER Y TERAN GUILLERMO MANUEL HERRERA PEREZ PAUL OLALDE VELASCO et al.	REVISTA MEXICANA DE FISICA	2007
47	Enhancements over the electronic control for Osiris-Gtc Fabry-Perot tunable filters	GUILLERMO MANUEL HERRERA PEREZ Gigante J.V. Joven E. et al.	Proceedings of SPIE	2006

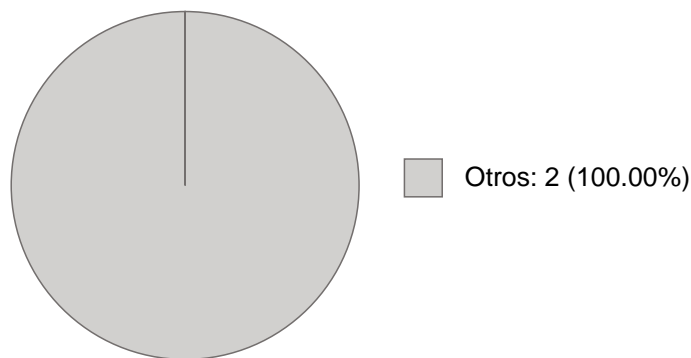
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48	Nanostructure obtained by sol-gel acrylamide polymerization in Y-V-O system	GUILLERMO MANUEL HERRERA PEREZ ELIZABETH CHAVIRA MARTINEZ JOSE IGNACIO JIMENEZ MIER Y TERAN et al.	MICROSCOPY AND MICROANALYSIS	2006
49	Testing FPGAs for real-time control of adaptive optics in giant telescopes	GUILLERMO MANUEL HERRERA PEREZ Rodríguez-Ramos L.F. Viera T. et al.	Proceedings of SPIE	2006
50	FPGA adaptive optics system test bench	GUILLERMO MANUEL HERRERA PEREZ Rodríguez-Ramos L.F. Viera T. et al.	Proceedings of SPIE	2005
51	Hydrogen embrittlement of prestressed concrete cylinder pipes	GUILLERMO MANUEL HERRERA PEREZ Bavarian B. Reiner L. et al.	Eurocorr 2004 - European Corrosion Conference: Long Term Prediction And Modelling Of Corrosion	2004
52	Application of extreme value analysis to crevice corrosion	GUILLERMO MANUEL HERRERA PEREZ Vajo J.J. Wei R. et al.	CORROSION SCIENCE	2003
53	Measurement and QCD analysis of neutral and charged current cross sections at HERA	VARLEN GRABSKI GUILLERMO MANUEL HERRERA PEREZ HELGI HELENE GISELA FRANZISKA JUNG COOK et al.	EUROPEAN PHYSICAL JOURNAL C	2003

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Development of a shape memory alloy heat engine through experiment and modeling	GUILLERMO MANUEL HERRERA PEREZ Keefe A.C. McKnight G.P. et al.	Conferenc e Paper	2011	9780791854716
2	Adaptive optics real-time control using FPGA	GUILLERMO MANUEL HERRERA PEREZ Rodríguez-Ramos L.F. Alonso Á. et al.	Conferenc e Paper	2006	142440312X



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GUILLERMO MANUEL HERRERA PEREZ

PARTICIPACIÓN EN PROYECTOS

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

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Coordinación de Planeación, Evaluación y
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PARTICIPACIÓN EN TESIS

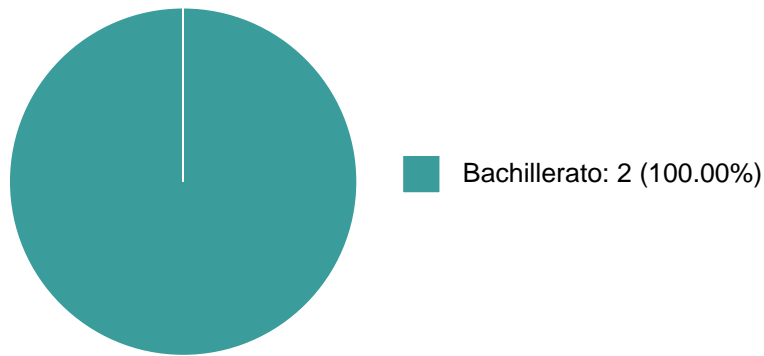
No se encuentran registros en la base de datos de TESIUNAM asociados a:

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Bachillerato	FISICA III	Escuela Nacional Preparatoria Plantel 7 "Ezequiel A. Chávez"	54	2014-0
2	Bachillerato	FISICA III	Escuela Nacional Preparatoria Plantel 7 "Ezequiel A. Chávez"	55	2013-0



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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	2008-2024
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