



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



GUSTAVO ALONSO HIRATA FLORES

Datos Generales

Nombre: GUSTAVO ALONSO HIRATA FLORES

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Antigüedad académica en la UNAM: 34 años

Nombramientos

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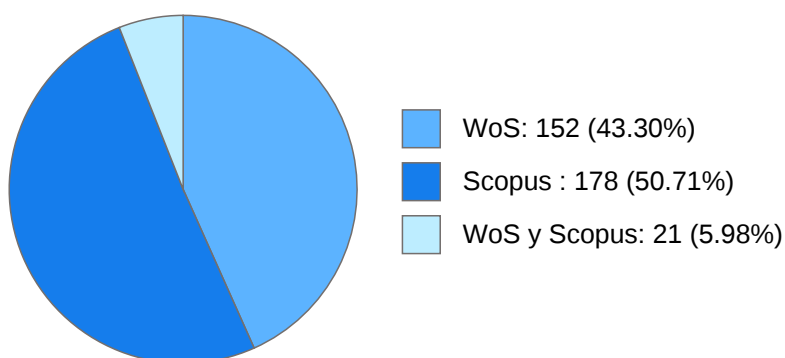
Estímulos, programas, premios y reconocimientos

SNI III - VIGENTE
PRIDE Fijo 2023 - 2024
PRIDE D - 2023
RDUNJA Investigación en ciencias exactas 1999

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Effect of the Pyrolysis Environment in a Complex Compound in the Synthesis of In _{0.6} Ga _{0.4} N Powders and their Characterization	GUSTAVO ALONSO HIRATA FLORES Herrera A.M. Ramos A. et al.	PHYSICA STATUS SOLIDI A-APPLICATION S AND MATERIALS SCIENCE	2025
2	Luminescence properties of cordierite red-emitting phosphor prepared by combustion synthesis for applications in white-light illumination LEDs	GUSTAVO ALONSO HIRATA FLORES Miridonov A. Marquez H.	CERAMICS INTERNATIONAL	2025
3	Deposition and Structural Characterization of Mg-Zn Co-Doped GaN Films by Radio-Frequency Magnetron Sputtering in a N ₂ -Ar ₂ Environment	GUSTAVO ALONSO HIRATA FLORES Gastellóu E. García R. et al.	Crystals	2024
4	Discovering the potential of biomaterial-based mesoporous and magneto-luminescent nanohybrid (Nd-doped Hydroxyapatite/Fe ₃ O ₄) for cancer theragnosis	PRAKHAR SENGAR KANCHAN CHAUHAN WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	Materials Today Communicatio ns	2024

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5	Synthesis and optimization of photothermal properties of NIR emitting LiGa5O8: Cr3+ and gold nanorods as hybrid materials for theranostic applications	PRAKHAR SENGAR GUSTAVO ALONSO HIRATA FLORES MARCELA LIZANO SOBERON et al.	TRANSLATIONAL ONCOLOGY	2023
6	Optical and Structural Analysis of GaN Microneedle Crystals Obtained via GaAs Substrates Decomposition and their Possible Growth Model Using the Volmer-Weber Mechanism	GUSTAVO ALONSO HIRATA FLORES Gastellóu E. García R. et al.	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	2023
7	Obtaining of Mg-Zn Co-Doped GaN Powders via Nitridation of the Ga-Mg-Zn Metallic Solution and Their Structural and Optical Properties	GUSTAVO ALONSO HIRATA FLORES Gastellóu E. García R. et al.	Materials	2023
8	Synthesis and optimization of Nd3+-doped hydroxyapatite as NIR-to-NIR nanothermometers	PRAKHAR SENGAR GUSTAVO ALONSO HIRATA FLORES Rojas-Baldivia K. et al.	Materials Today Communications	2023
9	Monolayer (2D) or spheroids (3D) cell cultures for nanotoxicological studies? Comparison of cytotoxicity and cell internalization of nanoparticles	KARLA OYUKY JUAREZ MORENO DALIA HOLANDA CHAVEZ GARCIA GUSTAVO ALONSO HIRATA FLORES et al.	TOXICOLOGY IN VITRO	2022
10	Photoluminescence emission in the red band at low temperatures in type-island layers of the Al0.32Ga0.68As/Al0.29Ga0.71As/GaAs structure obtained via liquid phase epitaxy, and its description by the mechanism of Stranski-Krastanov growth	GUSTAVO ALONSO HIRATA FLORES Ana M. Herrera Antonio Ramos et al.	OPTICAL MATERIALS	2022
11	Classifying nanostructured and heterogeneous materials from transmission electron microscopy images using convolutional neural networks	GUSTAVO ALONSO HIRATA FLORES PATRICIA JUAREZ CAMACHO Cabrera C. et al.	NEURAL COMPUTING & APPLICATIONS	2022
12	Progress on carbon dots and hydroxyapatite based biocompatible luminescent nanomaterials for cancer theranostics	PRAKHAR SENGAR KANCHAN CHAUHAN GUSTAVO ALONSO HIRATA FLORES	TRANSLATIONAL ONCOLOGY	2022
13	Luminescence properties and cell uptake analysis of Y2O3:Eu, Bi nanophosphors for bio-imaging applications	DALIA HOLANDA CHAVEZ GARCIA PRAKHAR SENGAR KARLA OYUKY JUAREZ MORENO et al.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-J MR&T	2021

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14	Advanced functional and biological materials: a memorial issue dedicated to Professor Joanna McKittrick	GUSTAVO ALONSO HIRATA FLORES Steven E. Naleway	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-J MR&T	2021
15	Luminescence properties and cell uptake analysis of Y2O3: Eu, Bi nanophosphors for bio-imaging applications (vol 10, pg 797, 2021)	DALIA HOLANDA CHAVEZ GARCIA PRAKHAR SENGAR KARLA OYUKY JUAREZ MORENO et al.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-J MR&T	2021
16	Mask R-CNN to Classify Chemical Compounds in Nanostructured Materials	GUSTAVO ALONSO HIRATA FLORES PATRICIA JUAREZ CAMACHO Cabrera C. et al.	IFMBE Proceedings	2020
17	Assembly of folate-carbon dots in GdDy-doped layered double hydroxides for targeted delivery of doxorubicin	GUSTAVO ALONSO HIRATA FLORES Nava Andrade K. Knauth P. et al.	APPLIED CLAY SCIENCE	2020
18	Nanotoxicological study of downconversion Y2O3:Eu(3+)luminescent nanoparticles functionalized with folic acid for cancer cells bioimaging	DALIA HOLANDA CHAVEZ GARCIA KARLA OYUKY JUAREZ MORENO GUSTAVO ALONSO HIRATA FLORES et al.	JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS	2020
19	Camouflaged, activatable and therapeutic tandem bionanoreactors for breast cancer theranosis	KANCHAN CHAUHAN KARLA OYUKY JUAREZ MORENO GUSTAVO ALONSO HIRATA FLORES et al.	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2020
20	Visible/Near-Infrared Emitting, Garnet-Based Paramagnetic-Persistent Luminescent Nanocrystals for Two-Photon Bioimaging	KARLA OYUKY JUAREZ MORENO OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES et al.	CRYSTAL GROWTH & DESIGN	2020
21	Experimental determination of the pyrolysis temperatures of an organometallic complex to obtain AlxGa1-xN powders	GUSTAVO ALONSO HIRATA FLORES OSCAR EDEL CONTRERAS LOPEZ Herrera A.M. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2019
22	Dual-photosensitizer coupled nanoscintillator capable of producing type I and type II ROS for next generation photodynamic therapy	KANCHAN CHAUHAN KARLA OYUKY JUAREZ MORENO HUGO ALEJANDRO BORBON NUÑEZ et al.	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2019
23	P-type GaN powders obtained by nitridation of Ga-Mg liquid metallic solution	GUSTAVO ALONSO HIRATA FLORES Erick Gastellou Crisoforo Morales et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2019

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24	Optoelectronic attenuation behavior of Al ₂ O ₃ /ZnO nanolaminates grown by Atomic Layer Deposition	HUGO JESUS TIZNADO VAZQUEZ GUSTAVO ALONSO HIRATA FLORES OSCAR EDEL CONTRERAS LOPEZ et al.	Thin Solid Films	2019
25	Controlling the white phosphorescence ZnGa ₂ O ₄ phosphors by surface defects	GUSTAVO ALONSO HIRATA FLORES García C.R. Oliva J. et al.	CERAMICS INTERNATIONAL	2019
26	Influence of the GaAs crystals diffusion in the shift towards low energies in the photoluminescence emission band of the GaN/GaN buffer /GaAs structure	GUSTAVO ALONSO HIRATA FLORES Gastellóu E. Morales C. et al.	OPTICAL MATERIALS	2019
27	Zinc doping of Ga-rich GaN powders obtained by nitridation of the Ga-Zn liquid metallic solution	GUSTAVO ALONSO HIRATA FLORES Gastellóu E. Morales C. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2019
28	Third-order nonlinear optical properties of a multi-layer Al ₂ O ₃ /ZnO for nonlinear optical waveguides	HUGO JESUS TIZNADO VAZQUEZ GUSTAVO ALONSO HIRATA FLORES Can-Uc B. et al.	OPTICS EXPRESS	2019
29	Simultaneous paramagnetic and persistence-luminescence in GAGG:Ce,Pr nanoparticles synthesized by sol-gel for biomedical applications	KARLA OYUKY JUAREZ MORENO OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES et al.	JOURNAL OF APPLIED PHYSICS	2019
30	Determination of conjugated protein on nanoparticles by an adaptation of the Coomassie blue dye method	KATRIN QUESTER GUSTAVO ALONSO HIRATA FLORES RAFAEL VAZQUEZ DUHALT et al.	MethodsX	2019
31	Crystalline and luminescence changes due to nitridation of undoped GaN powders obtained by pyrolysis from an organometallic complex	GUSTAVO ALONSO HIRATA FLORES Gastellóu E. García G. et al.	OPTICAL MATERIALS	2019
32	Development of a functionalized UV-emitting nanocomposite for the treatment of cancer using indirect photodynamic therapy	GUSTAVO ALONSO HIRATA FLORES Sengar P. Juárez P. et al.	JOURNAL OF NANOBIOTECHNOLOGY	2018
33	Light sheet microscopy and SrAl ₂ O ₄ nanoparticles codoped with Eu ²⁺ /Dy ³⁺ ions for cancer cell tagging	JUANA BERENICE MONTES FRAUSTO KARLA OYUKY JUAREZ MORENO GUSTAVO ALONSO HIRATA FLORES et al.	JOURNAL OF BIOPHOTONICS	2018
34	Functionalized rare earth-doped nanoparticles for breast cancer nanodiagnostic using fluorescence and CT imaging	GUSTAVO ALONSO HIRATA FLORES Jain A. Fournier P.G.J. et al.	JOURNAL OF NANOBIOTECHNOLOGY	2018

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35	Magnetic-luminescent cerium-doped gadolinium aluminum garnet nanoparticles for simultaneous imaging and photodynamic therapy of cancer cells	OSCAR EDEL CONTRERAS LOPEZ PATRICIA JUAREZ CAMACHO GUSTAVO ALONSO HIRATA FLORES et al.	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2018
36	Rare-earth-doped Y3Al5O12 (YAG) nanophosphors: synthesis, surface functionalization, and applications in thermoluminescence dosimetry and nanomedicine	GUSTAVO ALONSO HIRATA FLORES Akhil Jain Prakhhar Sengar	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2018
37	Enhanced crystalline size of undoped GaN powders obtained by nitridation of metallic gallium	GUSTAVO ALONSO HIRATA FLORES Romano R. Gastellón E. et al.	OPTICAL MATERIALS	2018
38	Novel bifunctional Nd:YAG/Fe3O4 nanocomposite as nanothermometer/nanoheater for potential biomedical applications	OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES E. M. Tejeda et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2018
39	Blue light triggered generation of reactive oxygen species from silica coated Gd3Al5O12:Ce3+ nanoparticles loaded with rose Bengal	OSCAR EDEL CONTRERAS LOPEZ PATRICIA JUAREZ CAMACHO GUSTAVO ALONSO HIRATA FLORES et al.	Data in Brief	2018
40	Long-lasting green, yellow, and red phosphorescence of carbon dots embedded on ZnAl2O4 nanoparticles synthesized by a combustion method	GUSTAVO ALONSO HIRATA FLORES L. A. Díaz-Torres C. Gomez-Solis et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2018
41	Effect of the Er3+ Co-dopant on the Green Upconversion Emission of LaSr2AlO5:Yb3+ Phosphors	GUSTAVO ALONSO HIRATA FLORES J. Oliva C. R. Garcia et al.	JOURNAL OF ELECTRONIC MATERIALS	2018
42	Covering the optical spectrum through different rare-earth ion-doping of YAG nanospheres produced by rapid microwave synthesis	ALEJANDRO CESAR DURAN HERNANDEZ OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES et al.	CERAMICS INTERNATIONAL	2018
43	Cytotoxicity, genotoxicity and uptake detection of folic acid-functionalized green upconversion nanoparticles Y2O3/Er3+, Yb3+ as biolabels for cancer cells	KARLA OYUKY JUAREZ MORENO GUSTAVO ALONSO HIRATA FLORES Chávez-García D. et al.	JOURNAL OF MATERIALS SCIENCE	2018
44	Upconversion rare earth nanoparticles functionalized with folic acid for bioimaging of MCF-7 breast cancer cells	KARLA OYUKY JUAREZ MORENO GUSTAVO ALONSO HIRATA FLORES Chávez-García D. et al.	JOURNAL OF MATERIALS RESEARCH	2018

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45	A facile method using a flux to improve quantum efficiency of submicron particle sized phosphors for solid-state lighting applications	GUSTAVO ALONSO HIRATA FLORES Ha J. Novitskaya E. et al.	CERAMICS-SWIT ZERLAND	2018
46	Rare-earth-doped Luminescent Nanoparticles for Breast Cancer Detection and Potential Bone-targeting Contrast Agents.	GUSTAVO ALONSO HIRATA FLORES Akhil Jain Fournier Pierrick et al.	JOURNAL OF BONE AND MINERAL RESEARCH	2017
47	Micro-Structures of Nanodiamonds Grown on Silicon by Hot Filament Chemical Vapor Deposition	OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES J. A. Montes-Gutierrez et al.	INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING	2017
48	Upconversion Nanoparticles Y2O3 and Gd2O3 Co-Doped with Er3+ and Yb3+ with aminosilane-folic acid functionalization for breast and cervix cancer cells detection	KARLA OYUKY JUAREZ MORENO GUSTAVO ALONSO HIRATA FLORES Chavez-Garcia, D.	Mrs Advances	2017
49	Skeletal dissolution kinetics and mechanical tests in response to morphology among coral genera	GUSTAVO ALONSO HIRATA FLORES Norzagaray-Lopez, Orion C. Calderon-Aguilera, Luis E. et al.	Facies	2017
50	beta-Irradiated thermoluminescence response of nanocrystalline YAGG: Pr3+ for radiation dosimetry	GUSTAVO ALONSO HIRATA FLORES Sengar, Prakhar Borbon-Nunez, H. A. et al.	MATERIALS RESEARCH BULLETIN	2017
51	Red-emitting SrGe4O9:Eu3+ phosphors obtained by combustion synthesis	GUSTAVO ALONSO HIRATA FLORES Garcia, C.R. Oliva, J. et al.	CERAMICS INTERNATIONAL	2017
52	White-light emission from Y2SiO5:Ce3+, Tb3+ and Sr2Si5N8:Eu2+ phosphor blends: a predictive model	GUSTAVO ALONSO HIRATA FLORES Flores, Dora-Luz Gutierrez, Everardo et al.	MICRO & NANO LETTERS	2017
53	Morphological optimization and (3-aminopropyl) trimethoxy silane surface modification of Y3Al5O12:Pr nanoscintillator for biomedical applications	GUSTAVO ALONSO HIRATA FLORES MARIO HUMBERTO FARIAS SANCHEZ FELIPE FRANCISCO CASTILLON BARRAZA et al.	MATERIALS RESEARCH BULLETIN	2016

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54	Magnetite Nanoparticles Functionalized with Vitamin E analogues: Anticancer Effects	OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES Angulo-Molina, A. et al.	INTERNATIONAL CONFERENCES & EXHIBITION ON NANOTECHNOLOGIES, ORGANIC ELECTRONICS & NANOMEDICINE, NANOTECHNOLOGY 2020, PT 1	2016
55	New Bismuth Germanate Oxide Nanoparticle Material for Biolabel Applications in Medicine	OSCAR EDEL CONTRERAS LOPEZ YVONNE JANE ROSENSTEIN AZOULAY RAFAEL VAZQUEZ DUHALT et al.	JOURNAL OF NANOMATERIALS	2016
56	Synthesis and characterization of (3-Aminopropyl)trimethoxy-silane (APTMS) functionalized Gd ₂ O ₃ :Eu ³⁺ red phosphor with enhanced quantum yield	GUSTAVO ALONSO HIRATA FLORES MARIO HUMBERTO FARIAS SANCHEZ FELIPE FRANCISCO CASTILLON BARRAZA et al.	Nanotechnology	2016
57	Photoluminescence, size and morphology of red-emitting Gd ₂ O ₃ :Eu ³⁺ nanophosphor synthesized by various methods	GUSTAVO ALONSO HIRATA FLORES Jain, Akhil	CERAMICS INTERNATIONAL	2016
58	An integrated first principles and experimental investigation of the relationship between structural rigidity and quantum efficiency in phosphors for solid state lighting	GUSTAVO ALONSO HIRATA FLORES Ha, J. Wang, Z. et al.	JOURNAL OF LUMINESCENCE	2016
59	Aminosilane Functionalization and Cytotoxicity Effects of Upconversion Nanoparticles Y ₂ O ₃ and Gd ₂ O ₃ Co-Doped with Yb ³⁺ and Er ³⁺	KARLA OYUKY JUAREZ MORENO GUSTAVO ALONSO HIRATA FLORES Chavez D.H.	Nanobiomedicine	2016
60	Photoluminescence enhancement from GaN by beryllium doping	GUSTAVO ALONSO HIRATA FLORES OSCAR EDEL CONTRERAS LOPEZ Garcia-Gutierrez, R. et al.	OPTICAL MATERIALS	2016
61	Thermally stimulated luminescence and persistent luminescence of beta-irradiated YAG:Pr ³⁺ nanophosphors produced by combustion synthesis	GUSTAVO ALONSO HIRATA FLORES Santacruz-Gomez, K. Melendrez, R. et al.	RADIATION MEASUREMENTS	2016
62	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

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63	Synthesis and cytotoxic effects of SrAl ₂ O ₄ persistent luminescence nanoparticles co-doped with Eu ²⁺ /Dy ³⁺ ions	KARLA OYUKY JUAREZ MORENO GUSTAVO ALONSO HIRATA FLORES Montes-Frausto, J. B. et al.	OPTICAL MATERIALS EXPRESS	2016
64	Synthesis and cytotoxic effects of SrAl ₂ O ₄ persistent luminescence nanoparticles co-doped with Eu ²⁺ /Dy ³⁺ ions (vol 6, pg 1488, 2016)	KARLA OYUKY JUAREZ MORENO GUSTAVO ALONSO HIRATA FLORES Montes-Frausto, J. B. et al.	OPTICAL MATERIALS EXPRESS	2016
65	Nd:YAG Near-Infrared Luminescent Nanothermometers	GUSTAVO ALONSO HIRATA FLORES Benayas, Antonio del Rosal, Blanca et al.	ADVANCED OPTICAL MATERIALS	2015
66	LIPID PEROXIDATION AND PROTEIN OXIDATION INDUCED BY DIFFERENT NANOPARTICLES IN ZEBRAFISH ORGANS	Y. Carrillo C. TorresDuarte M. J. Oviedo et al.	APPLIED ECOLOGY AND ENVIRONMENTA L RESEARCH	2015
67	Effect of Eu ³⁺ concentration on the photocatalytic activity of LaSr ₂ AlO ₅ powders	C. R. Garcia L. A. DiazTorres Jorge Oliva et al.	INORGANIC CHEMISTRY COMMUNICATIO NS	2015
68	Influence of pH and europium concentration on the luminescent and morphological properties of Y ₂ O ₃ powders	GUSTAVO ALONSO HIRATA FLORES EsquivelCastro, Tzipatly CarrilloRomo, Felipe de J. et al.	OPTICAL MATERIALS	2015
69	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host	GUSTAVO ALONSO HIRATA FLORES del Rosal, Blanca PerezDelgado, Alberto et al.	JOURNAL OF APPLIED PHYSICS	2015
70	Magnetic-luminescent spherical particles synthesized by ultrasonic spray pyrolysis	Norma L. Michel GUSTAVO ALONSO HIRATA FLORES Flores, Dora L.	MATERIALS RESEARCH EXPRESS	2015
71	Distribution of Eu ²⁺ and Eu ³⁺ Ions in Hydroxyapatite: A Cathodoluminescence and Raman Study	Luz A. ZavalaSanchez GUSTAVO ALONSO HIRATA FLORES MANUEL HERRERA ZALDIVAR et al.	ACS BIOMATERIALS SCIENCE & ENGINEERING	2015
72	Analysis of (Ba,Ca,Sr) ₃ MgSi ₂ O ₈ :Eu ²⁺ , Mn ²⁺ phosphors for application in solid state lighting	GUSTAVO ALONSO HIRATA FLORES Han, J. K. Piquette, A. et al.	JOURNAL OF LUMINESCENCE	2014
73	Magnetite nanoparticles functionalized with α-tocopheryl succinate (α-TOS) promote selective cervical cancer cell death	OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES Angulo-Molina, Aracely et al.	JOURNAL OF NANOPARTICLE RESEARCH	2014
74	Identification and development of nanoscintillators for biotechnology applications	GUSTAVO ALONSO HIRATA FLORES Jung, J. Y. Gundiah, G. et al.	JOURNAL OF LUMINESCENCE	2014

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75	Green EuAlO ₃ :Eu ²⁺ nanophosphor for applications in WLEDs	GUSTAVO ALONSO HIRATA FLORES García, C. R. Díaz-Torres, L. A. et al.	OPTICAL MATERIALS	2014
76	Europium-activated barium/strontium silicates for near-UV light emitting diode applications	GUSTAVO ALONSO HIRATA FLORES "Han, J. K. Hannah, M. E. et al.	JOURNAL OF LUMINESCENCE	2013
77	Synthesis and characterization of (Lu ^{1-x-y} Y ^x Ce ^y) ₂ SiO ₅ luminescent powders with fast decay time	GUSTAVO ALONSO HIRATA FLORES Aburto-Crespo, M. McKittrick, J.	JOURNAL OF LUMINESCENCE	2013
78	Quantum efficiency of silica-coated rare-earth doped yttrium silicate	OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES Cervantes-Vasquez, D.	JOURNAL OF LUMINESCENCE	2013
79	Phosphor dysprosium-doped layered double hydroxides exchanged with different organic functional groups	MARIANA OVIEDO PACHECO GUSTAVO ALONSO HIRATA FLORES Martínez Vargas, David Ricardo et al.	JOURNAL OF NANOMATERIALS	2013
80	Kinetic characterization of the deproteinization of trabecular and cortical bovine femur bones	GUSTAVO ALONSO HIRATA FLORES Castro-Cesena, Ana B. Sanchez-Saavedra, M. Pilar et al.	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2013
81	Structure dependent luminescence characterization of green-yellow emitting Sr ₂ SiO ₄ :Eu ²⁺ phosphors for near UV LEDs	GUSTAVO ALONSO HIRATA FLORES Han, J. K. Hannah, M. E. et al.	JOURNAL OF LUMINESCENCE	2012
82	Photo- and radioluminescence characteristics of bismuth germanate nanoparticles by sol-gel and pressure-assisted combustion synthesis	OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES Oviedo, M. J. et al.	OPTICAL MATERIALS	2012
83	Photoluminescence of Europium-Activated Hydroxyapatite Nanoparticles in Body Fluids	OSCAR EDEL CONTRERAS LOPEZ RAFAEL VAZQUEZ DUHALT GUSTAVO ALONSO HIRATA FLORES et al.	SCIENCE OF ADVANCED MATERIALS	2012
84	Photoluminescence Properties of Eu-Doped LaSr ₂ AlO ₅	OSCAR RAYMOND HERRERA GUSTAVO ALONSO HIRATA FLORES Rodríguez-García, C. E. et al.	SCIENCE OF ADVANCED MATERIALS	2012
85	Synthesis of Cu and Co metal oxide nanoparticles from thermal decomposition of tartrate complexes	GUSTAVO ALONSO HIRATA FLORES OSCAR EDEL CONTRERAS LOPEZ Palacios-Hernández, Teresa et al.	INORGANICA CHIMICA ACTA	2012
86	Photoluminescence of bismuth germanate phosphors with a silica-shell structure	MARIANA OVIEDO PACHECO OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES et al.	Physics Procedia	2012

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87	An analysis of Y ₂ O ₃ center dot Eu ³⁺ thin films for thermographic phosphor applications	GUSTAVO ALONSO HIRATA FLORES Bosze, Eric J. McKittrick, Joanna	JOURNAL OF LUMINESCENCE	2011
88	Kinetic studies of bone demineralization at different HCl concentrations and temperatures	GUSTAVO ALONSO HIRATA FLORES Castro-Cesena, A. B. Novitskaya, E. E. et al.	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2011
89	Luminescence enhancement of Y ₂ O ₃ :Eu ³⁺ and Y ₂ SiO ₅ :Ce ³⁺ , Tb ³⁺ core particles with SiO ₂ shells	GUSTAVO ALONSO HIRATA FLORES Han, J. K. Talbot, J. B. et al.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2011
90	A New Red-Emitting La _{1-x} Pr _x Sr ₂ AlO ₅ Phosphor Powder Prepared by Combustion Synthesis	C. E. Rodriguez Garcia E. M. Tejeda FELIPE FRANCISCO CASTILLON BARRAZA et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2011
91	Millimeter-long carbon nanotubes: Outstanding electron-emitting sources	GUSTAVO ALONSO HIRATA FLORES ANDRES RAFAEL BOTELLO MENDEZ Perea-Lopez, Nestor et al.	Acs Nano	2011
92	Anisotropy in the compressive mechanical properties of bovine cortical bone and the mineral and protein constituents	GUSTAVO ALONSO HIRATA FLORES Novitskaya, Ekaterina Chen, Po-Yu et al.	ACTA BIOMATERIALIA	2011
93	Near UV-Blue Excitable Green-Emitting Nanocrystalline Oxide	GUSTAVO ALONSO HIRATA FLORES Rodriguez-Garcia, C. E. Perea-Lopez, N.	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	2011
94	Comparison of demineralized and deproteinized bone	GUSTAVO ALONSO HIRATA FLORES Castro-Ceseña A.B. Novitskaya E. et al.	Materials Research Society Symposium Proceedings	2011
95	Investigations into demineralized cortical bone	GUSTAVO ALONSO HIRATA FLORES Novitskaya E. Castro-Ceseña A. et al.	Materials Research Society Symposium Proceedings	2011

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96	Bioinspired inorganic/polymer thin films	GUSTAVO ALONSO HIRATA FLORES Diaz S.P. Chen P.-Y. et al.	Materials Research Society Symposium Proceedings	2010
97	Energy absorbent natural materials and bioinspired design strategies: A review	GUSTAVO ALONSO HIRATA FLORES McKittrick, J. Chen, P. -Y. et al.	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2010
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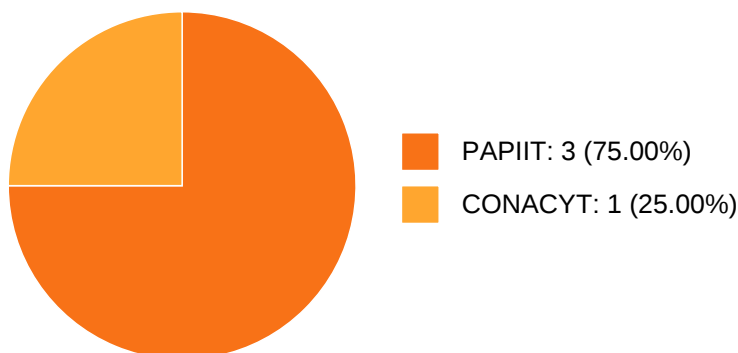


#	Título	Autores	Alcance	Año	ISBN
1	¿Que es un biomarcador ?	OSCAR EDEL CONTRERAS LOPEZ GUSTAVO ALONSO HIRATA FLORES	Capítulo de un Libro	2016	9786070281440

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

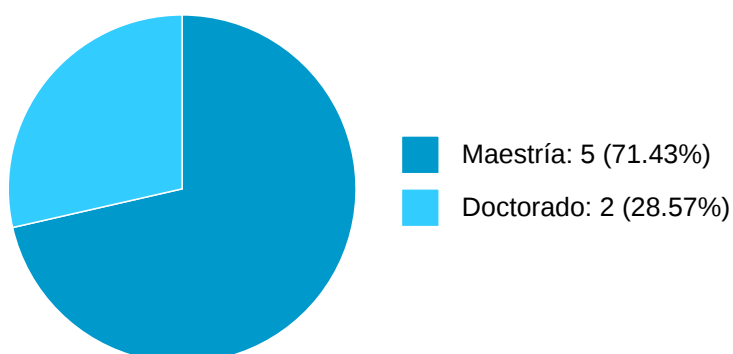


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Nano materiales magneto-luminiscentes para biodetección por fluorescencia y terapia magneto-térmica	GUSTAVO ALONSO HIRATA FLORES	Recursos PAPIIT	01-01-2017	31-12-2019
2	Materiales magneto-luminiscentes: síntesis y su aplicación como nano termómetros y terapia magneto-térmica.	GUSTAVO ALONSO HIRATA FLORES	Recursos CONACYT	28-09-2019	27-09-2021
3	Materiales Luminiscentes para el Mejoramiento de 2 Dispositivos Optoelectrónicos: (1) Lámparas de Luz Blanca basadas en LEDs y (2) Celdas Solares.	GUSTAVO ALONSO HIRATA FLORES	Recursos PAPIIT	01-01-2020	31-12-2022
4	Síntesis de materiales y películas delgadas luminiscentes para mejoramiento de la eficiencia de lámparas de luz blanca de estado sólido	GUSTAVO ALONSO HIRATA FLORES	Recursos PAPIIT	01-01-2023	31-12-2025

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Nanomateriales luminiscentes para su aplicación como nanotermómetros	Tesis de Doctorado	GUSTAVO ALONSO HIRATA FLORES,	Tejeda Aguirre, Elías Marcelo,	Centro de Nanociencias y Nanotecnología en la UNAM,	2018
2	Síntesis y caracterización de las propiedades mecánicas de sistemas multicapas Zr/ZrN depositados por evaporación catódica reactiva	Tesis de Doctorado	GUSTAVO ALONSO HIRATA FLORES,	Payan Díaz, Sandra Ruth,	Centro de Nanociencias y Nanotecnología en la UNAM,	2017
3	Síntesis y caracterización de películas delgadas de NiO y TiO ₂ crecidas por el método de ablación láser	Tesis de Maestría	GUSTAVO ALONSO HIRATA FLORES,	Fajardo Peralta, Alejandro,	Centro de Nanociencias y Nanotecnología en la UNAM,	2015
4	Síntesis de partículas magnético-luminiscentes por el método de spray pirólisis	Tesis de Maestría	EVER ARENAS BERUMEN,	NINA BOGDANCHI KOVA, GUSTAVO ALONSO HIRATA FLORES, et al.	Centro de Nanociencias y Nanotecnología en la UNAM,	2014

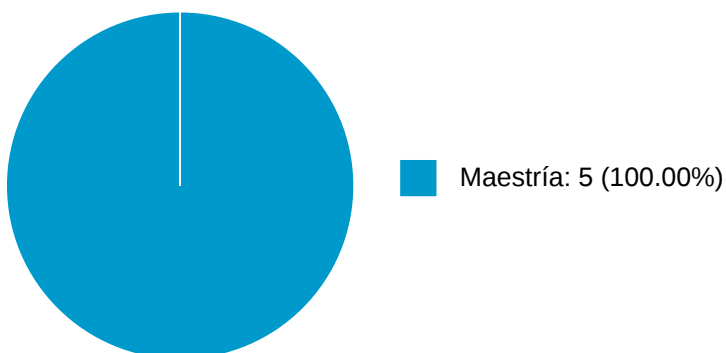
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5	Síntesis de materiales nanolaminados bioinspirados en la estructura de la concha de abulón	Tesis de Maestría	GUSTAVO ALONSO HIRATA FLORES,	Payán Díaz, Sandra Ruth,	Centro de Nanociencias y Nanotecnología en la UNAM,	2011
6	Síntesis de materiales nanolaminados bioinspirados en la estructura de la concha de abulón	Tesis de Maestría	GUSTAVO ALONSO HIRATA FLORES,	Payán Díaz, Sandra Ruth,	Centro de Nanociencias y Nanotecnología en la UNAM,	2011
7	Síntesis y caracterización de polvos luminiscentes de óxido de zinc activados por tierras raras (ZnO:TR)	Tesis de Maestría	GUSTAVO ALONSO HIRATA FLORES,	Tejeda Aguirre, Elías Marcelo,	Centro de Nanociencias y Nanotecnología en la UNAM,	2010

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	MATERIALES CERÁMICOS: TÉCNICAS ESPECTROSCÓPICAS Y TÉRMICAS	Instituto de Investigaciones en Materiales	1	2021-2
2	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	2	2012-1
3	Maestría	OPTICA DE SEMICONDUCTORES	Instituto de Investigaciones en Materiales	1	2011-1
4	Maestría	PROPIEDADES MECANICAS DE MATERIALES	Instituto de Investigaciones en Materiales	2	2010-2
5	Maestría	TEMAS SELECTOS DE DISPOSITIVOS ELECTRONICOS (OPTATIVA)	Instituto de Investigaciones en Materiales	2	2009-2



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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