



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



**JOSE REYES GASGA**

## Datos Generales

**Nombre:** JOSE REYES GASGA

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 41 años

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## Nombramientos

**Vigente:** INVESTIGADOR TITULAR C TC Definitivo  
Instituto de Física  
Desde 16-02-2014

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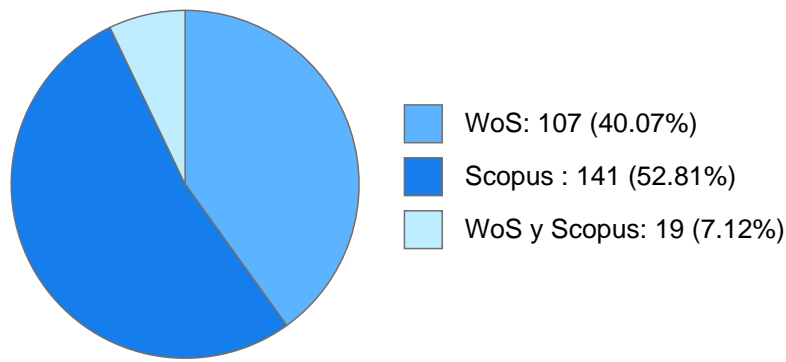
## Estímulos, programas, premios y reconocimientos

SNI III 2010 - VIGENTE  
SNI II - 2009  
PRIDE D - VIGENTE  
PASPA Estancias Sabáticas 2013 - 2014

**JOSE REYES GASGA**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



#	Título	Autores	Revista	Año
1	Influence of PVP molecular weight on TiO <sub>2</sub> structures prepared by the electrospinning and sol-gel method	JOSE REYES GASGA JULIO CESAR TINOCO MAGAÑA Avalos-Grajales J. et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2024
2	Study by transmission electron microscopy of Co-WC/Ni interface produced by solid state bonding	JOSE REYES GASGA RAMIRO GARCIA GARCIA Lemus-Ruiz J. et al.	REVISTA MEXICANA DE FISICA	2024
3	A Simple Methodology to Gain Insights into the Physical and Compositional Features of Ternary and Quaternary Compounds Based on the Weight Percentages of Their Constituent Elements: A Proof of Principle Using Conventional EDX Characterizations	ANA LAURA PEREZ MARTINEZ JOSE REYES GASGA MARIA DEL PILAR AGUILAR DEL VALLE et al.	CERAMICS-SWITZERLAND	2024
4	Dual-Action Gemcitabine Delivery: Chitosan-Magnetite-Zeolite Capsules for Targeted Cancer Therapy and Antibacterial Defense	JOSE REYES GASGA Guarín-González Y.A. Cabello-Guzmán G. et al.	Gels	2024

**JOSE REYES GASGA**

5	An approach to investigate the crystallographic unit cell of human tooth enamel	JOSE REYES GASGA SAMUEL TEHUACANERO NUÑEZ FRANCISCO SANCHEZ OCHOA	ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE CRYSTAL ENGINEERING AND MATERIALS	2023
6	Design, Growth, and Characterization of Crystalline Copper Oxide p-Type Transparent Semiconductive Thin Films with Figures of Merit Suitable for Their Incorporation into Translucent Devices	MARIA DEL PILAR AGUILAR DEL VALLE JUAN CARLOS ALONSO HUITRON HECTOR DE JESUS CRUZ MANJARREZ FLORES ALONSO et al.	CRYSTAL GROWTH & DESIGN	2022
7	Structural and electrical characterization of the titanium-based films deposited on the amorphous glass surface	JOSE REYES GASGA Jorge Estrada-Martinez Martin Guadalupe Zapata-Torres et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2022
8	Composite material with polyurethane-based reactive hot-melt matrix	JOSE REYES GASGA ELIGIO ALBERTO OROZCO MENDOZA Marulanda Arévalo J.L. et al.	JOURNAL OF COMPOSITE MATERIALS	2021
9	High Resolution STEM Images of the Human Tooth Enamel Crystals	JOSE REYES GASGA Etienne F. Bres	APPLIED SCIENCES-BASEL	2021
10	Particle size and convergent electron diffraction patterns of triangular prismatic gold nanoparticles	LOURDES SOLEDAD BAZAN DIAZ JOSE REYES GASGA C. Fernando-Marquez et al.	REVISTA MEXICANA DE FISICA	2021
11	Microstructural, microscratch and nanohardness mechanical characterization of secondary commercial HPDC AlSi9Cu3-type alloy	ANTONIO ENRIQUE SALAS REYES JOSE REYES GASGA JAIME FRANCISCO GARCIA ROBLEDO et al.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2020
12	Detection of the piezoelectricity effect in nanocrystals from human teeth	JOSE REYES GASGA ELIGIO ALBERTO OROZCO MENDOZA ARTURO RODRIGUEZ GOMEZ et al.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2020
13	Evaluation of crystalline indexes obtained through infrared spectroscopy and x-ray diffraction in thermally treated human tooth samples	JOSE REYES GASGA RAMIRO GARCIA GARCIA Vargas-Becerril N.	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2019

**Reporte individual**

**JOSE REYES GASGA**

14	Electron microscopy analysis of the thermal phase transition from hydroxyapatite to beta-TCP observed in human teeth	JOSE REYES GASGA Becerril N.V.	JOURNAL OF MICROSCOPY	2019
15	The SEM electron-mirror effect in human tooth and synthetic hydroxyapatite samples	JOSE REYES GASGA ARTURO RODRIGUEZ GOMEZ RAMIRO GARCIA GARCIA et al.	MICROSCOPY RESEARCH AND TECHNIQUE	2018
16	Role of the substrate on the growth of silicon quantum dots embedded in silicon nitride thin films	ARTURO RODRIGUEZ GOMEZ RAMIRO GARCIA GARCIA ANA LAURA PEREZ MARTINEZ et al.	MATERIALS CHEMISTRY AND PHYSICS	2018
17	Morphological and magnetic properties of sol-gel synthesized meso and macroporous spheres of barium hexaferrite (BaFe <sub>12</sub> O <sub>19</sub> )	JOSE REYES GASGA JOSE ISRAEL BETANCOURT REYES Torres-Cadenas, S. et al.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2017
18	Wettability modification of the AISI 304 and 316 stainless steel and glass surfaces by titanium oxide and titanium nitride coating	JOSE REYES GASGA RAMIRO GARCIA GARCIA Estrada-Martinez, Jorge et al.	SURFACE & COATINGS TECHNOLOGY	2017
19	Crystallographic study of human tooth enamel crystal defects	JOSE REYES GASGA Etienne Bres Joseph	ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES	2017
20	Helical Growth of Ultrathin Gold-Copper Nanowires	LOURDES SOLEDAD BAZAN DIAZ JOSE REYES GASGA LUIS DAVID FERNANDO ROMEU CASAJUANA et al.	NANO LETTERS	2016
21	A stable multiply twinned decahedral gold nanoparticle with a barrel-like shape	JOSE REYES GASGA LOURDES SOLEDAD BAZAN DIAZ Santiago, Ulises et al.	SURFACE SCIENCE	2016
22	Data quality problems when integrating genomic information	JOSE REYES GASGA León A. Burriel V. et al.	Lecture Notes in Computer Science	2016
23	Aberration-Corrected Transmission Electron Microscopic Study of the Central Dark Line Defect in Human Tooth Enamel Crystals	JOSE REYES GASGA Hemmerle, Joseph Bres, Etienne F.	MICROSCOPY AND MICROANALYSIS	2016
24	The low-loss EELS spectra from radiation damaged gold nanoparticles	SAMUEL TEHUACANERO CUAPA JOSE REYES GASGA RAMIRO GARCIA GARCIA et al.	JOURNAL OF APPLIED PHYSICS	2016
25	Scanning Electron Microscopic Study on the Fibrillar Structures within Dentinal Tubules of Human Dentin	MARIA MARICELA GARCÉS ORTIZ Constantino LedesinaMontes JOSE REYES GASGA	JOURNAL OF ENDODONTICS	2015

**JOSE REYES GASGA**

26	Wettability modification of human tooth surface by water and UV and electron-beam radiation	JOSE REYES GASGA TiznadoOrozco, Gaby E. Elefterie, Florina et al.	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2015
27	Gold-copper nanostars as photo-thermal agents: synthesis and advanced electron microscopy characterization	Lourdes BazanDiaz Ruben MendozaCruz LUIS DAVID FERNANDO ROMEU CASAJUANA et al.	Nanoscale	2015
28	Holes drilling in gold and silver decahedral nanoparticles by the convergent beam electron diffraction electron beam	JOSE REYES GASGA RAMIRO GARCIA GARCIA Bres, Etienne F. et al.	RADIATION EFFECTS AND DEFECTS IN SOLIDS	2014
29	Synthesis of nanosized carbonated apatite by a modified Pechini method: Hydroxyapatite nucleation from a polymeric matrix	N. Vargas Becerril JOSE REYES GASGA MARCO ANTONIO ALVAREZ PEREZ et al.	JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY	2014
30	Evidence of noncentrosymmetry of human tooth hydroxyapatite crystals	JOSE REYES GASGA Mugnaioli E. Kolb U. et al.	CHEMISTRY-A EUROPEAN JOURNAL	2014
31	Synthesis of nanosized carbonated apatite by a modified Pechini method: Hydroxyapatite nucleation from a polymeric matrix	JOSE REYES GASGA MARCO ANTONIO ALVAREZ PEREZ Vargas-Becerril N. et al.	JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY	2014
32	Evidence of noncentrosymmetry of human tooth hydroxyapatite crystals	JOSE REYES GASGA Mugnaioli E. Kolb U. et al.	CHEMISTRY-A EUROPEAN JOURNAL	2014
33	Probe size study of apatite irradiation in stem	JOSE REYES GASGA Brès E.F. Rey C. et al.	EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS	2014
34	Obtaining Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub> ·H <sub>2</sub> O, monocalcium phosphate monohydrate, via monetite from brushite by using sonication	JOSE REYES GASGA Sanchez-Enriquez, J.	ULTRASONICS SONOCHEMISTRY	2013
35	CBED electron beam drilling and closing of holes in decahedral silver nanoparticles	JOSE REYES GASGA Palomino-Merino, R. SAMUEL TEHUACANERO CUAPA	RADIATION PHYSICS AND CHEMISTRY	2013
36	Presence of matrix vesicles in the body of odontoblasts and in the inner third of dentinal tissue: A scanning electron microscopy study	MARIA MARICELA GARCES ORTIZ CONSTANTINO LEDESMA MONTES JOSE REYES GASGA	MEDICINA ORAL PATOLOGIA ORAL Y CIRUGIA BUCAL	2013

**JOSE REYES GASGA**

37	XRD and FTIR crystallinity indices in sound human tooth enamel and synthetic hydroxyapatite	JOSE REYES GASGA ESMERALDA LIZET MARTINEZ PIÑEIRO Galois Rodriguez Alvarez et al.	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2013
38	Deposition of metallic gallium on re-crystallized ceramic material during focused ion beam milling	J. A. Munoz Tabares JOSE REYES GASGA Anglada, M.	MATERIALS CHARACTERIZATION	2013
39	Interpretation of "anomalous" electron diffraction reflections observed in human tooth enamel grains: The role of shape effect	JOSE REYES GASGA Brès E.F.	Journal of Advanced Microscopy Research	2013
40	Crystallographic structure of human tooth enamel by electron microscopy and x-ray diffraction: hexagonal or monoclinic?	JOSE REYES GASGA ESMERALDA LIZET MARTINEZ PIÑEIRO Bres, E. F.	JOURNAL OF MICROSCOPY	2012
41	Microstructural changes in 3Y-TZP induced by scratching and indentation	J. A. Munoz Tabares JOSE REYES GASGA Jimenez-Pique, E. et al.	JOURNAL OF THE EUROPEAN CERAMIC SOCIETY	2012
42	Decoration of single-walled carbon nanotubes with Pt nanoparticles from an organometallic precursor	JOSE REYES GASGA Ramirez-Meneses, E. Montiel-Palma, V. et al.	JOURNAL OF MATERIALS SCIENCE	2011
43	Interpretation of the Nano-Electron-Diffraction Patterns along the Five-Fold Axis of Decahedral Gold Nanoparticles	LUIS DAVID FERNANDO ROMEU CASAJUANA JOSE REYES GASGA	MICROSCOPY AND MICROANALYSIS	2011
44	Microstructural changes in ground 3Y-TZP and their effect on mechanical properties	JOSE REYES GASGA Munoz-Tabares, J. A. Jimenez-Pique, E. et al.	ACTA MATERIALIA	2011
45	STUDY OF MANDIBULAR NECROSIS DUE TO BISPHOSPHONATES versus HEALTHY BONE BY SCANNING ELECTRON MICROSCOPY AND X-RAY ENERGY DISPERSIVE SPECTROMETRY	MARGARITA VICTORIA GARCIA GARDUÑO PATRICIA DETTMER MENDOZA ALEJANDRA MORAN REYES et al.	ACTA MICROSCOPICA	2010
46	ON THE OBSERVATION OF THE HAP-OCP INTERFACE BY ELECTRON MICROSCOPY	JOSE REYES GASGA MARIA JOSEFINA ARELLANO JIMENEZ RAMIRO GARCIA GARCIA	ACTA MICROSCOPICA	2010
47	ELECTRON MICROSCOPY AND X-RAY DIFFRACTION CHARACTERIZATION OF FeAl-BN NANOCOMPOSITES PRODUCED BY MECHANICAL ALLOYING.	JOSE REYES GASGA Rosas, G. Patino-Carachure, C. et al.	ACTA MICROSCOPICA	2010



**Reporte individual**

**JOSE REYES GASGA**

48	Electron diffraction study of pentagonal crosssections nanowires	JOSE REYES GASGA Montejano-Carrizales J.M. Yacamán M.J.	Materials Science Forum	2010
49	Study of composite materials of aluminum titanate Al <sub>2</sub> TiO <sub>5</sub> stabilized with ilmenite FeTiO <sub>3</sub> and reinforced with Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> [Estudio de materiales compuestos de titanato de aluminio Al <sub>2</sub> TiO <sub>5</sub> estabilizado con ilmenita FeTiO <sub>3</sub> y reforzado con	JOSE REYES GASGA De Arenas I.B.	Revista Latinoamericana de Metalurgia y Materiales	2010
50	X-ray diffraction study of the structure modification of aluminum samples by ion irradiation	ALBERTO BARRAGAN VIDAL RAMIRO GARCIA GARCIA HECTOR DE JESUS CRUZ MANJARREZ FLORES ALONSO et al.	RADIATION EFFECTS AND DEFECTS IN SOLIDS	2009
51	Synthesis and hydrolysis of octacalcium phosphate and its characterization by electron microscopy and X-ray diffraction	MARIA JOSEFINA ARELLANO JIMENEZ RAMIRO GARCIA GARCIA JOSE REYES GASGA	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2009
52	Structural Properties of TiC obtained by Mechano-synthesis	JOSE REYES GASGA R. Perez Rosas, G. et al.	REVISTA MEXICANA DE FISICA	2009
53	Electron beam interaction, damage and reconstruction of hydroxyapatite	JOSE REYES GASGA RAMIRO GARCIA GARCIA Bres, E.	PHYSICA B-CONDENSED MATTER	2009
54	Structural and thermal behaviour of carious and sound powders of human tooth enamel and dentine	Gaby E. Tiznado Orozco RAMIRO GARCIA GARCIA JOSE REYES GASGA	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2009
55	SIMULATION OF THE EXPERIMENTAL HRTEM CONTRAST OF ICOSAHEDRAL GOLD NANOPARTICLES OF DIFFERENT SIZES	JOSE REYES GASGA SAMUEL TEHUACANERO NUÑEZ Montejano-Carrizales, J. M.	ACTA MICROSCOPICA	2009
56	STEM-HAADF electron microscopy analysis of the central dark line defect of human tooth enamel crystallites	JOSE REYES GASGA Georgina Carbajal-de-la-Torre Ivet M. Gil Chavarria et al.	JOURNAL OF MATERIALS SCIENCE-MATER IALS IN MEDICINE	2008
57	Thermoluminescence response of previously heated NaCl : Eu crystals to UV radiation	RAMIRO GARCIA GARCIA JOSE REYES GASGA Mondragon-Galicia, G. et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2008

**Reporte individual**

**JOSE REYES GASGA**

58	Synthesis and characterization of poly(methyl methacrylate) polymerized by microwave energy or conventional water bath	LAURA SUSANA ACOSTA TORRES FEDERICO HUMBERTO BARCELO SANTANA CARLOS ANDRES ALVAREZ GAYOSSO et al.	JOURNAL OF APPLIED POLYMER SCIENCE	2008
59	On the interpretation of the forbidden spots observed in the electron diffraction patterns of flat Au triangular nanoparticles	JOSE REYES GASGA ALFREDO GOMEZ RODRIGUEZ Gao, Xiaoxia et al.	Ultramicroscopy	2008
60	Mechanical and structural characterization of graphite coated silver nanoparticles-reinforced aluminum	JOSE REYES GASGA Ramirez-Cano, P. G. Estrada-Guel, I. et al.	REVIEWS ON ADVANCED MATERIALS SCIENCE	2008
61	Structural and thermal behaviour of human tooth and three synthetic hydroxyapatites from 20 to 600 degrees C	JOSE REYES GASGA RAMIRO GARCIA GARCIA MARIA JOSEFINA ARELLANO JIMENEZ et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2008
62	Scanning electron micrographic features of a giant submandibular sialolith	CONSTANTINO LEDESMA MONTES MARIA MARICELA GARCES ORTIZ JOSE REYES GASGA et al.	ULTRASTRUCTURAL PATHOLOGY	2007
63	Mechanical and microstructural characterization of aluminum reinforced with carbon-coated silver nanoparticles	JOSE REYES GASGA Martínez-Sánchez R. Caudillo R. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2007
64	Human Cementum Protein 1 induces expression of bone and cementum proteins by human gingival fibroblasts	BRUNO CARMONA RODRIGUEZ MARCO ANTONIO ALVAREZ PEREZ JOSE REYES GASGA et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	2007
65	Morphological characteristics of the rapidly and conventionally solidified alloys of the AlCuFe system	JOSE REYES GASGA RAMIRO PEREZ CAMPOS Rosas G.	MATERIALS CHARACTERIZATION	2007
66	Elaboration and structural analysis of aquasomes loaded with Indomethacin	JOSE REYES GASGA Rojas-Oviedo I. Salazar-López R.A. et al.	EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES	2007
67	Study of the Ni-NiAl <sub>2</sub> O <sub>4</sub> -YSZ cermet for its possible application as an anode in solid oxide fuel cells	JOSE REYES GASGA Reyes-Rojas A. Esparza-Ponce H.E.	JOURNAL OF PHYSICS-CONDENSED MATTER	2006
68	Crystal structure characterization of nautilus shell at different length scales	JOSE REYES GASGA Velázquez-Castillo R.R. García-Gutierrez D.I. et al.	Biomaterials	2006



**Reporte individual**

**JOSE REYES GASGA**

69	Nanoscale characterization of nautilus shell structure: An example of natural self-assembly	JOSE REYES GASGA Velázquez-Castillo R. García-Gutierrez D.I. et al.	JOURNAL OF MATERIALS RESEARCH	2006
70	Osteoblasts attachment on amorphous carbon films	SANDRA ELIZABETH RODIL POSADA HIGINIO ARZATE JOSE REYES GASGA et al.	DIAMOND AND RELATED MATERIALS	2006
71	Microstructural and mechanical characterization of aluminum reinforced with silver nanoparticles	JOSE REYES GASGA Martínez-Sánchez R. Caudillo R. et al.	MICROSCOPY AND MICROANALYSIS	2006
72	The role of twinning in shape evolution of anisotropic noble metal nanostructures	JOSE REYES GASGA Elechiguerra J.L. Yacaman M.J.	J MATER CHEM	2006
73	On the structure of nanorods and nanowires with pentagonal cross-sections	JOSE REYES GASGA Elechiguerra J.L. Liu C. et al.	JOURNAL OF CRYSTAL GROWTH	2006
74	Beyond Archimedean solids: Star polyhedral gold nanocrystals	JOSE REYES GASGA Burt J.L. Elechiguerra J.L. et al.	JOURNAL OF CRYSTAL GROWTH	2005
75	On the structure of pentagonal cross-sections nanowires	JOSE REYES GASGA Elechiguerra J.L. Montejano-Carrizales J.M. et al.	Aiche Annual Meeting, Conference Proceedings	2005
76	Germanium nanoparticles from solvated atoms: Synthesis and characterization	JOSE REYES GASGA Segura R.A. Cárdenas-Triviño G.	COLLOID AND POLYMER SCIENCE	2005
77	In situ X-ray Rietveld analysis of Ni-YSZ solid oxide fuel cell anodes during NiO reduction in H <sub>2</sub>	JOSE REYES GASGA Rojas A.R. Esparza-Ponce H.E. et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2005
78	Structural characterization of SmMn <sub>2</sub> GeO <sub>7</sub> single microcrystals by electron microscopy	LAURO BUCIO GALINDO JOSE REYES GASGA ELIGIO ALBERTO OROZCO MENDOZA et al.	ACTA CRYSTALLOGR B	2005
79	Electron microscopy analysis of the central dark line defect of the human tooth enamel	ANA GUADALUPE RODRIGUEZ HERNANDEZ RAMIRO GARCIA GARCIA JOSE REYES GASGA et al.	Materials Research Society Symposium Proceedings	2005
80	Palladium nanoparticles from solvated atoms - Stability and HRTEM characterization	JOSE REYES GASGA Cárdenas-Triviño G. Segura R.A.	COLLOID AND POLYMER SCIENCE	2004
81	Structural study of zirconia nanoclusters by high-resolution transmission electron microscopy	JOSE REYES GASGA Delgado-Arellano V.G. Espitia-Cabrera M.I. et al.	MATERIALS CHARACTERIZATION	2004

**JOSE REYES GASGA**

82	Synthesis and dielectric characteristics of the layered structure $\text{Bi}_{4-x}\text{R}_x\text{Ti}_3\text{O}_{12}$ ( $\text{R}_x = \text{Pr, Nd, Gd, Dy}$ )	ELIZABETH CHAVIRA MARTINEZ JOSE REYES GASGA ALFONSO HUANOSTA TERA et al.	JOURNAL OF THE EUROPEAN CERAMIC SOCIETY	2003
83	Structural and chemical SEM study of carious human tooth	JOSE REYES GASGA Gaby Esthela T.O.	MICROSCOPY AND MICROANALYSIS	2003
84	The dentin-enamel junction. An electron microscopic study	JOSE REYES GASGA Chavarría I.G. González A.	MICROSCOPY AND MICROANALYSIS	2003
85	Structural and chemical characterization of the decagonal quasicrystalline phase of an $\text{Al}_{62}\text{Cu}_{20}\text{Co}_{15}\text{Si}_3$ alloy obtained in an elliptical furnace	JOSE REYES GASGA Martínez-Mondragón M.M. Lara J.A. et al.	JOURNAL OF NON-CRYSTALLINE SOLIDS	2003
86	New model for the hydroxyapatite-octocalcium phosphate interface	MARIA CRISTINA ZORRILLA CANGAS RAMIRO GARCIA GARCIA JORGE ANTONIO ASCENCIO GUTIERREZ et al.	ACTA CRYSTALLOGR B	2003
87	Evidence by HRTEM of lower conductivity along the periodic direction than along the quasiperiodic direction of the decagonal quasi-crystalline phase of the $\text{Al}_{62}\text{Cu}_{20}\text{Co}_{15}\text{Si}_3$ alloy	JOSE REYES GASGA Martínez M.M. García R.	MICROSCOPY AND MICROANALYSIS	2003
88	New model for the hydroxyapatite-octocalcium phosphate interface	MARIA CRISTINA ZORRILLA CANGAS RAMIRO GARCIA GARCIA JORGE ANTONIO ASCENCIO GUTIERREZ et al.	MICROSCOPY AND MICROANALYSIS	2003
89	Image processing of HRTEM images of hydroxyapatite	SAMUEL TEHUACANERO NUÑEZ ALEJANDRA LOPEZ SUAREZ JOSE REYES GASGA	MICROSCOPY AND MICROANALYSIS	2003
90	Electron microscopy characterization of hydroxyapatite obtained by hydrothermal synthesis	MARIA JOSEFINA ARELLANO JIMENEZ JOSE REYES GASGA Rodríguez Lugo V.	MICROSCOPY AND MICROANALYSIS	2003
91	On the ultrastructure of the central dark line observed by TEM in human tooth enamel grains	JOSE REYES GASGA Rodríguez Hernández A.G.	MICROSCOPY AND MICROANALYSIS	2003
92	Anti-cementoblastoma-derived protein antibody partially inhibits mineralization on a cementoblastic cell line	MARCO ANTONIO ALVAREZ PEREZ JOSE REYES GASGA HIGINIO ARZATE et al.	JOURNAL OF STRUCTURAL BIOLOGY	2003
93	Point and space groups for hydroxyapatite by computer simulation of CBED electron diffraction patterns	ELSON SANCHEZ PASTENES JOSE REYES GASGA	MICROSCOPY AND MICROANALYSIS	2003

**Reporte individual**

**JOSE REYES GASGA**

94	SEM, EDS, FTIR and thermal observations on synthetic hydroxyapatite compressed samples in the range 2500-4000 lb/inch <sup>2</sup>	MARGARITA VICTORIA GARCIA GARDUÑO RAMIRO GARCIA GARCIA JOSE REYES GASGA	MICROSCOPY AND MICROANALYSIS	2003
95	A model for human tooth enamel Central Dark Line its HRTEM images Contrast Transfer Function analysis	JOSE REYES GASGA Fernández M.E.	MICROSCOPY AND MICROANALYSIS	2003
96	SEM and micro-analysis study of the structure of enamel in the tooth surface from low and high caries risk patients	JOSE REYES GASGA Gutiérrez-Salazar M.P.	MICROSCOPY AND MICROANALYSIS	2003
97	Transmission electron microscopy study of a new compound in the system Sm-Mn-Ge-O	IVONNE ROSALES CHAVEZ JOSE REYES GASGA ALEJANDRO LARA SANCHEZ et al.	MICROSCOPY AND MICROANALYSIS	2003
98	Nanocrystallization process and ferromagnetic properties of amorphous	JOSE REYES GASGA Sun X.-C. Nava N. et al.	CURRENT APPLIED PHYSICS	2002
99	Analysis of the electron-beam radiation damage of TEM samples in the acceleration energy range from 0.1 to 2MeV using the standard theory for fast electrons	JOSE REYES GASGA RAMIRO GARCIA GARCIA	RADIATION PHYSICS AND CHEMISTRY	2002
100	Microstructure of carbon encapsulated superparamagnetic Co nanoparticles	JOSE REYES GASGA Sun X.-C. Dong X.L.	Materials Research Society Symposium Proceedings	2002
101	Microstructure and magnetic properties of Fe(C) and Fe(O) nanoparticles	JOSE REYES GASGA Sun X.-C. Nava N.	Materials Research Society Symposium Proceedings	2002
102	New insights into the defective structure and catalytic activity of Pd/ceria	JUAN MANUEL NAVARRETE TEJERO JOSE REYES GASGA J. GUADALUPE PEREZ RAMIREZ et al.	CHEMISTRY OF MATERIALS	2002
103	Microstructure studies on hexagonal layered Ni-S nanocrystals	JOSE REYES GASGA Sun X.-C. Toledo J.A.	Materials Research Society Symposium Proceedings	2002
104	Formation and microstructure of carbon encapsulated superparamagnetic Co nanoparticles	JOSE REYES GASGA Sun X.-C. Dong X.L.	MOLECULAR PHYSICS	2002

**JOSE REYES GASGA**

105	Presence of oxygen in the structure of quasicrystalline phases in in-situ heated thin films of the Al-Co-Cr-Fe-O and Al-Mn-Si-O systems	JOSE REYES GASGA Pita-Larrañaga A. Mondragón-Galicia G. et al.	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	2000
106	Tem observance and analysis of the (000l), l=2n+1, forbidden reflections in synthetic and biological hydroxyapatites	JOSE REYES GASGA RAMIRO GARCIA GARCIA Reyes-Reyes M.	Materials Research Society Symposium Proceedings	2000
107	Synthesis and processing of Ca-PSZ pellets by a spray-drying method	JOSE REYES GASGA Contreras-García M.E. Espitia-Cabrera I. et al.	MATERIALS RESEARCH BULLETIN	2000
108	Nanocrystallization behavior and magnetic properties of amorphous Fe78Si9B13 ribbons	JOSE REYES GASGA ROBERTO HERNANDEZ REYES JORGE ANTONIO REYES MORALES et al.	PHYSICA B-CONDENSED MATTER	2000
109	Structural and chemical analysis of crystal enamel nucleation	LUIS FELIPE JIMENEZ GARCIA JOSE REYES GASGA Belío-Reyes I.A.	Materials Research Society Symposium Proceedings	2000
110	Conductivity in human tooth enamel	JOSE REYES GASGA JOSE ALVARO CHAVEZ CARVAYAR LAURA ESTHER VARGAS ULLOA et al.	JOURNAL OF MATERIALS SCIENCE	1999
111	Observation of a decagonal quasicrystalline phase and quasicrystalline approximants in in situ heated thin films of the Al-Co-Cr-Fe-O system	JOSE REYES GASGA Pita-Larrañaga A. Valles-Gonzalez M.P. et al.	Thin Solid Films	1999
112	Study of high resolution TEM images of nanoparticles either supported on amorphous films or embedded in a crystalline matrix	MARIA CRISTINA ZORRILLA CANGAS JORGE ANTONIO ASCENCIO GUTIERREZ JOSE REYES GASGA et al.	MATERIALS	1999
113	Structural and chemical analysis of micro-sized particles found in aluminous electrical porcelains	JOSE REYES GASGA Bribiesca-Vázquez S. Quintana-Puchol R.	MICROSCOPY AND MICROANALYSIS	1999
114	Moire patterns in high resolution electron microscopy images of MoS2	JOSE REYES GASGA SAMUEL TEHUACANERO NUÑEZ Yacamán M.J.	MICROSCOPY RESEARCH AND TECHNIQUE	1998

**JOSE REYES GASGA**

115	Alumina additions affect elastic properties of electrical porcelains	JOSE REYES GASGA Bribiesca Vázquez S. Mejía Velázquez J.C.	AM CERAM SOC BULL	1998
116	Electron microscopy and X-ray analysis of lacustrine clays from the Charo Canyon, State of Michoacan, Mexico	JOSE REYES GASGA Carbajal de la Torre G. Israde Alcantara I. et al.	CLAYS AND CLAY MINERALS	1998
117	In-situ observation of fractal structures and electrical conductivity in human tooth enamel	JOSE REYES GASGA LAURA ESTHER VARGAS ULLOA García G. R.	PHILOS MAG A	1997
118	Selective blocking sites in the structure clay-nanometric montmorillonite	ALICIA NEGRON MENDOZA SERGIO AGUSTIN RAMOS BERNAL MARIA GUADALUPE ALBARRAN SANCHEZ et al.	NANOSTRUCT MATER	1997
119	Structural characterization of the montmorillonite clay nanometric particles	ALICIA NEGRON MENDOZA SERGIO AGUSTIN RAMOS BERNAL MARIA GUADALUPE ALBARRAN SANCHEZ et al.	NANOSTRUCT MATER	1997
120	Electron-beam-induced structure transformation of the quasicrystalline phases of the Al <sub>62</sub> Cu <sub>20</sub> Co <sub>15</sub> Si <sub>3</sub> alloy	JOSE REYES GASGA R. Garcia G. Jose-Yacamán M.	RADIATION PHYSICS AND CHEMISTRY	1995
121	Opening and closing of channels during phase transitions in AlMn thin films	JOSE REYES GASGA García R.	Thin Solid Films	1994
122	In situ transmission electron microscopy observation of the appearance and disappearance of channels in Al-Mn thin films	JOSE REYES GASGA Zou B.S. Mondragón-Galicia G. et al.	Thin Solid Films	1993
123	In-situ transmission electron microscopy observation of the phase transition in thin films of the AlMn system	JOSE REYES GASGA Mondragon-Galicia G. José-Yacamán M.	Thin Solid Films	1993
124	Characterization of the decagonal quasi-crystalline phase of the Al <sub>62</sub> Co <sub>20</sub> Cu <sub>15</sub> Si <sub>3</sub> alloy by TEM	JOSE REYES GASGA ALEJANDRO LARA SANCHEZ HECTOR GERARDO RIVEROS ROTGE et al.	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	1992
125	Nucleation of the decagonal quasi-crystalline phase in AlCuCoSi thin films	JOSE REYES GASGA Hernández R.	Thin Solid Films	1992
126	Structure transformations of the decagonal and icosahedral phases in quaternary alloys	JOSE REYES GASGA Perez R. Jose-Yacamán M.	JOURNAL OF MATERIALS SCIENCE	1992



**JOSE REYES GASGA**

127	A twelve-fold quasicrystalline phase in BiMn alloys	JOSE REYES GASGA Hernández R. José-Yacamán M.	Scripta Metallurgica Et Materiala	1991
128	Quasi-crystalline thin films in AlMn and MnBi	JOSE REYES GASGA Hernández R. José-Yacamán M.	Thin Solid Films	1991
129	Electron diffraction and HREM characteristics of quasicrystalline phases in binary, ternary and quaternary alloys	JOSE REYES GASGA Pérez R. José-Yacamán M.	Scripta Metallurgica Et Materiala	1991
130	Structural study of gold single crystals produced by colloidal methods	JOSE REYES GASGA Hernandez R. Vazquez A. et al.	Langmuir	1991
131	Growth of long quasicrystals in an Al-Cu-Co alloy	HECTOR GERARDO RIVEROS ROTGE JOSE REYES GASGA Lara V. J.A. et al.	JOURNAL OF CRYSTAL GROWTH	1991
132	On the structure responsible for the $2a_0 \times 2a_0$ diffraction pattern in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-d</sub>	JOSE REYES GASGA Krekels T. Shi T.S. et al.	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	1990
133	Quasicrystalline phases and rational approximants obtained from vapor deposited Al-Mn thin films	JOSE REYES GASGA José-Yacamán M.	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	1990
134	Quasicrystal-crystal transition in the dodecagonal phase	JOSE LUIS ARAGON VERA JOSE REYES GASGA José-Yacamán M. et al.	PHILOSOPHICAL MAGAZINE LETTERS	1990
135	Simultaneous dysprosium- and lead-substituted high-T <sub>c</sub> superconductor bismuth cuprates	JOSE REYES GASGA Schieber M. Friedman M. et al.	JOURNAL OF APPLIED PHYSICS	1990
136	On the long period superstructure of the superconducting phase Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub>	JOSE REYES GASGA PABLO SAMUEL SCHABES RETCHKIMAN Yacamán M.J. et al.	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	1989
137	3-D oxygen vacancy ordered superstructures in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-t-d</sub> prepared by the constant stoichiometry cooling method	JOSE REYES GASGA Krekels T. Van Tendeloo G. et al.	SOLID STATE COMMUNICATIONS	1989
138	3-D vacancy ordered superstructures in "homogeneous" YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-d</sub>	JOSE REYES GASGA Krekels T. Van Tendeloo G. et al.	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	1989
139	Models for the $2v_2a_0 \times 2v_2a_0$ superstructure in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub>	JOSE REYES GASGA Shi T.S. Fanidis C. et al.	Micron And Microscopica Acta	1989



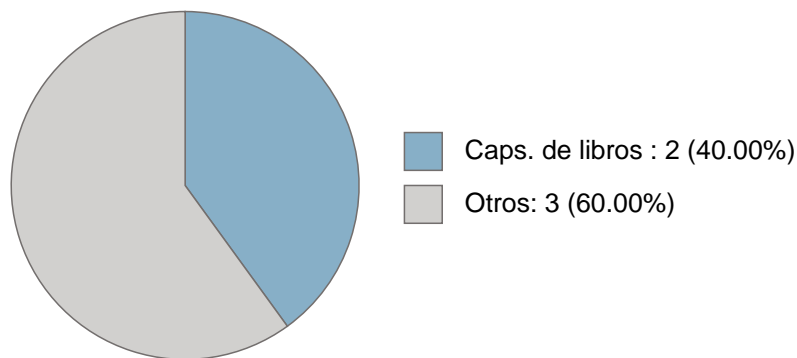
**JOSE REYES GASGA**

140	3-D oxygen vacancy ordered superstructures in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-d</sub>	JOSE REYES GASGA Van Tendeloo G. Krekels T. et al.	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	1989
141	The effect of electron irradiation in high-T <sub>c</sub> oxide superconductors	ESBAIDE ADEM CHAHIN JORGE EDUARDO RICKARDS CAMPBELL ELIGIO ALBERTO OROZCO MENDOZA et al.	JOURNAL OF MATERIALS RESEARCH	1988
142	Scanning auger microscopy analysis of 90 k y-ba-cu-o superconductors	LEONEL SUSANO COTA ARAIZA ELIGIO ALBERTO OROZCO MENDOZA JAVIER FUENTES MAYA et al.	JOURNAL OF MATERIALS RESEARCH	1988
143	Intermediate phases produced during the icosahedral-crystal transition	JOSE REYES GASGA Avalos-Borja M. José-Yacamán M.	JOURNAL OF APPLIED PHYSICS	1988
144	Structural relationships between the icosahedral phase and the quasicrystalline T related phases	J. GUADALUPE PEREZ RAMIREZ JOSE REYES GASGA Pérez R. et al.	SCRIPTA METALLICUM	1987

**JOSE REYES GASGA**

**LIBROS Y CAPITULOS CON ISBN**

**Obras con registro ISBN**

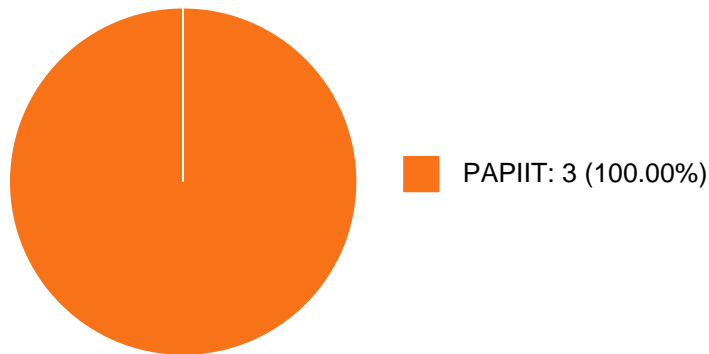


#	Título	Autores	Alcance	Año	ISBN
1	Structural analysis of the human tooth enamel by transmission electron microscopy	JOSE REYES GASGA Alcántara-Rodríguez C.M.	Capítulo de un Libro	2017	9781351439497
2	Electron diffraction and HRTEM structure analysis of nanowires	LUIS DAVID FERNANDO ROMEY CASAJUANA ALFREDO GOMEZ RODRIGUEZ JOSE REYES GASGA	Capítulo de un Libro	2011	9789533073279
3	Synthetic hydroxyapatite and human tooth enamel and dentin analyzed by x-ray diffraction, infrared spectroscopy and thermal analyses	JOSE REYES GASGA RAMIRO GARCIA GARCIA ELSON SANCHEZ PASTENES et al.	Conferencia Paper	2008	9781615670802
4	Preparation and characterisation of hydroxyapatite by biomimetic process	JOSE REYES GASGA De La Torre G.C. Angeles C. et al.	Conferencia Paper	2008	9781615670802
5	Study of hydroxyapatite by high resolution transmission microscopy	RAMIRO GARCIA GARCIA JOSE REYES GASGA De La Torre G.C. et al.	Conferencia Paper	2008	9781615670802

**JOSE REYES GASGA**

**PARTICIPACIÓN EN PROYECTOS**

**Histórico de participación en proyectos**

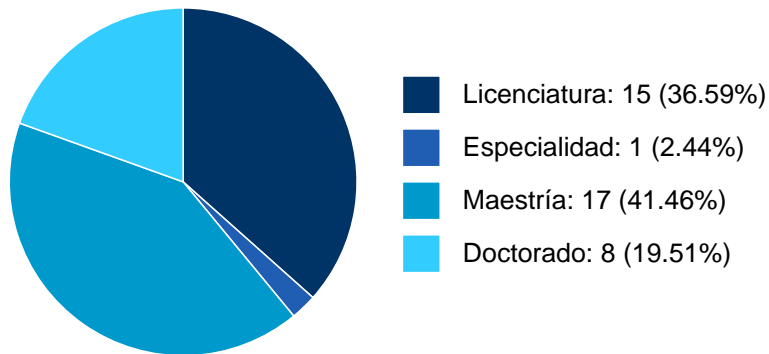


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Estudio cristalográfico del cristal del esmalte dental humano	JOSE REYES GASGA	Recursos PAPIIT	01-01-2016	31-12-2018
2	La estructura de los cristales en el diente humano.	JOSE REYES GASGA RAMIRO GARCIA GARCIA	Recursos PAPIIT	01-01-2019	31-12-2021
3	Análisis de la morfología y la estructura atómica de los granos y de los cristales del esmalte dental humano	JOSE REYES GASGA	Recursos PAPIIT	01-01-2023	31-12-2025

**JOSE REYES GASGA**

**PARTICIPACIÓN EN TESIS**

**Histórico de Colaboraciones en Tesis**



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	"Análisis estructural y químico por microscopía electrónica del dióxido de titanio (TiO <sub>2</sub> ) fase anatasa obtenido por la técnica de electrohilado"	Tesis de Maestría	JOSE REYES GASGA,	Ávalos Grajales, Jathziri,	Instituto de Física,	2022
2	Nanodifracción y difracción electrónica de haz convergente de nanopartículas de Au	Tesis de Doctorado	JOSE REYES GASGA,	Fernando Márquez, Clemente,	Instituto de Física,	2021
3	Efecto de la deformación plástica sobre el comportamiento mecánico, microestructural y frente a corrosión de la AA7075	Tesis de Doctorado	JOSE ALEJANDRO GARCIA HINOJOSA,	JOSE GONZALO GONZALEZ REYES, JOSE REYES GASGA, et al.	Facultad de Química, Instituto de Física, Instituto de Investigaciones en Materiales,	2021
4	Síntesis y modificación de una membrana de intercambio protónico a base de polibencimidazol para uso en celdas de combustible tipo PEM	Tesis de Doctorado	SERGIO ALBERTO GAMBOA SANCHEZ,	JOSE REYES GASGA, JOSEPH SEBASTIAN PATHIYAMAT TOM, et al.	Instituto de Energías Renovables, Instituto de Física,	2017

**JOSE REYES GASGA**

5	Estudio de los cambios estructurales producidos por aleado mecánico en materiales base mg impurificado con Al <sub>2</sub> O <sub>3</sub> e Y <sub>2</sub> O <sub>3</sub>	Tesis de Maestría	JOSE REYES GASGA,	Fernando Márquez, Clemente,	Instituto de Física,	2017
6	Tratamiento de la superficie del esmalte dental humano con pastas para dientes sensibles, barnices de flúor y su papel en la remineralización	Tesis de Especialidad	JOSE REYES GASGA,	Calete Azcárate, Grisel Arisbe,	Instituto de Física,	2015
7	Efecto de las condiciones de síntesis en la biocompatibilidad de andamios tisulares de hidroxiapatita	Tesis de Maestría	MARCO ANTONIO ALVAREZ PEREZ,	JOSE REYES GASGA, León Escobedo, Cecilia de,	Facultad de Odontología, Instituto de Física,	2015
8	Análisis de granulometría e índice de cristalinidad del hueso bovino	Tesis de Maestría	JOSE REYES GASGA,	Rodríguez Álvarez, Galois,	Instituto de Física,	2013
9	Caracterización estructural y cristalográfica del carbonato de litio (Li <sub>2</sub> CO <sub>3</sub> ) por microscopia electrónica y difracción de rayos X	Tesis de Maestría	JOSE REYES GASGA,	Reza Reyes, Elin Alejandro,	Instituto de Física,	2012
10	Caracterización estructural y química y comportamiento térmico de la hidroxiapatita de esmalte y dentina cariados	Tesis de Doctorado	JOSE REYES GASGA,	Tiznado Orozco, Gaby Esthela,	Instituto de Física,	2010
11	Estudio de la distribución in situ de factores de maduración del RNA en células derivadas del periodonto	Tesis de Doctorado	HIGINIO ARZATE,	LUIS FELIPE JIMENEZ GARCIA, JOSE REYES GASGA, et al.	Facultad de Ciencias, Facultad de Odontología, Instituto de Física,	2010

**JOSE REYES GASGA**

12	Nanoestructura de la dentina humana	Tesis de Maestría	MARIA MARICELA GARCÉS ORTIZ,	JOSE REYES GASGA, Cortés García, María Isaura,	Facultad de Odontología, Instituto de Física,	2009
13	Análisis por microscopía electrónica y difracción de rayos X de la estructura del fosfato octacálcico obtenido por precipitación y de la hidroxiapatita obtenida por hidrólisis del mismo	Tesis de Doctorado	JOSE REYES GASGA,	Arellano Jiménez, María Joséfina,	Instituto de Física,	2009
14	Análisis estructural, químico y de dureza del alveolo dental y base del hueso mandibular por microscopía electrónica de barrido, rayos X y durometría	Tesis de Licenciatura	MARGARITA VICTORIA GARCÍA GARDUÑO,	JOSE REYES GASGA, Redonda Pineda, Lizeth,		2007
15	Estudio descriptivo de los componentes que conforman la unión esmalte-dentina en dientes humanos	Tesis de Maestría	JOSE REYES GASGA,	Gil Chavarría, Ivett,		2005
16	Caracterización de la línea oscura del esmalte dental humano por técnicas de microscopía electrónica de alta resolución	Tesis de Maestría	JOSE REYES GASGA,	Rodríguez Hernández, Ana Guadalupe,		2004
17	Estudio de la estructura de la frontera de grano en aluminio por microscopía de luz, met y meb con difracción de electrones retrodispersados	Tesis de Maestría	JOSE REYES GASGA,	Villaurrutia Arenas, Rafael,		2004
18	Análisis estructural y químico de esmalte y dentina cariados	Tesis de Maestría	JOSE REYES GASGA,	Tiznado Orozco, Gaby Esthela,		2004



**JOSE REYES GASGA**

19	Estudio de microscopia electronica de hidroxiapatita y whitlockita obtenidas en sintesis hidrotermal	Tesis de Maestría	JOSE REYES GASGA,	Arellano Jimenez, Maria Joséfina,	2004
20	Estudio de la estructura y composicion quimica de los tejidos de contacto de la dentina y esmalte en la union amelodentinaria por microscopia de luz y microscopia electronica de barrido	Tesis de Licenciatura	MARIA JOSE MARQUES DOS SANTOS,	WILLEBALDO MORENO MENDEZ, JOSE FRANCISCO MURRIETA PRUNEDA, et al.	2004
21	Estructura, composicion quimica y anillos de crecimiento de la uña de Kinosternon integrum por microscopia de luz y microscopia electronica de barrido	Tesis de Licenciatura	JOSE REYES GASGA,	Arroyo Lambaer, Denise,	2003
22	Union esmalte dentina : microestructura, composicion anatomica y quimica. un estudio por microscopia electronica	Tesis de Licenciatura	JOSE REYES GASGA,	Gil Chavarría, Ivet,	2002
23	Simulacion de los patrones de difraccion electronica de haz convergente de la hidroxiapatita	Tesis de Maestría	JOSE REYES GASGA,	Sanchez Pastenes, Elson,	2001
24	Estudio estructural de la dentina por microscopia fotonica, microscopia electronica y difraccion de rayos x	Tesis de Licenciatura	JOSE REYES GASGA,	Rodriguez Hernandez, Ana Guadalupe,	2001
25	Estudio de la ultraestructura de la dentina humana por microscopia optica y electronica	Tesis de Maestría	MARIA MARICELA GARCES ORTIZ,	JOSE REYES GASGA, Torres Contreras, Dora Laura,	2001
26	Analisis ultraestructural de la ontogenia de la linea obscura del esmalte dental en raton	Tesis de Doctorado	LUIS FELIPE JIMENEZ GARCIA,	JOSE REYES GASGA, Belio Reyes, Irma Araceli,	2000

**JOSE REYES GASGA**

27	Efecto del rayo laser en la estructura y composicion quimica del esmalte dental humano	Tesis de Licenciatura	RAMIRO GARCIA GARCIA,	JOSE REYES GASGA, Cruz Villaseñor, Dulce Maria, et al.	2000
28	Analisis estructural de la union amelodentinaria en dientes humanos con tecnicas de microscopia electronica	Tesis de Licenciatura	JOSE REYES GASGA,	Morales Sánchez, Israel,	2000
29	Estudio cristalografico del esmalte dental humano por microscopia electronica, difraccion electronica y de haz convergente	Tesis de Maestría	JOSE REYES GASGA,	Reyes Reyes, Marisol,	2000
30	Analisis in-situ de las estructuras fractales y conduccion del esmalte dental humano	Tesis de Doctorado	JOSE REYES GASGA,	Vargas Ulloa, Laura Esther,	2000
31	Estudio por microscopia electronica y difraccion de rayos x de muestras de goethita de una mina localizada en Tlacotepec de Diaz, Edo. de Puebla	Tesis de Licenciatura	JOSE REYES GASGA,	Castaneda Valderrama, Rocio,	1999
32	Analisis de la composicion y estructura del esmalte y la union amelodentinaria en dientes humanos	Tesis de Maestría	MIGUEL ANGEL ARAIZA TELLEZ,	JOSE REYES GASGA, MANUEL SAAVEDRA GARCIA, et al.	1999
33	Analisis estructural y quimico de la interface substrato-electrolito de celdas combustibles de oxido solido del sistema (ZrO <sub>2</sub> -Y/Al <sub>2</sub> O <sub>3</sub> ) por microscopia electronica de rayos X	Tesis de Licenciatura	JOSE REYES GASGA,	Reyes Reyes, Marisol,	1998

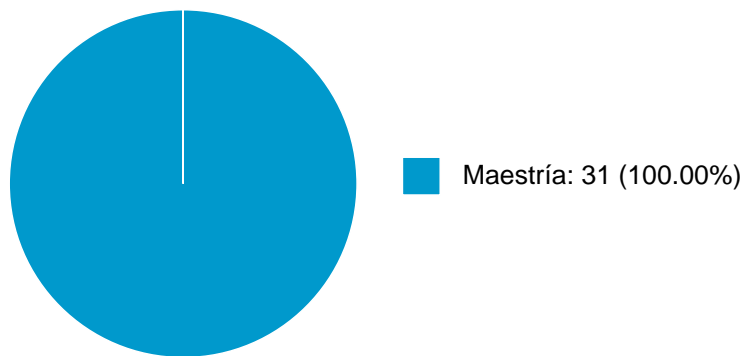
**JOSE REYES GASGA**

34	Analisis estructural y quimico de la linea oscura de los granos del esmalte dental humano por medio de microscopia electronica	Tesis de Maestría	JOSE REYES GASGA,	Vargas Ulloa, Laura Esther,	1997
35	Estudio por microscopia electronica de transmision de las fases obtenidas en el recocido de peliculas delgadas amorfas del sistema Al-Mn.	Tesis de Licenciatura	JOSE REYES GASGA,	Pita Larranaga, Abraham,	1996
36	Caracterizacion por TEM de las fases presentes en el calentamiento in situ de peliculas delgadas de AL-Mu	Tesis de Maestría	JOSE REYES GASGA,	Mondragon Galicia, Gilberto,	1996
37	Analisis estructural y quimico del esmalte dental humano por tecnicas de microscopia electronica	Tesis de Licenciatura	JOSE REYES GASGA,	Gonzalez Trejo, Ana Maria, Madrigal Colin, Alfredo,	1994
38	Proceso de disolucion in vitro del esmalte dental humano durante un ataque acido, observado por microscopia electronica	Tesis de Licenciatura	JOSE REYES GASGA,	Gloria Hernandez, Maria de Jesus,	1994
39	Transiciones de fase en peliculas delgadas del sistema Al.Mn observadas in situ por microscopia electronica de transmision	Tesis de Licenciatura	JOSE REYES GASGA,	Mondragon Galicia, Gilberto,	1993
40	Caracterizacion del esmalte dental humano por microscopia electronica de transmision	Tesis de Licenciatura	JOSE REYES GASGA,	Alcantara Rodriguez, Claudia Minerva,	1993
41	Procesamiento digital de imagenes en microscopia electronica de alta resolucion	Tesis de Licenciatura	JOSE REYES GASGA,	Robles Pallares, Arturo Rosalio,	1991

**JOSE REYES GASGA**

**DOCENCIA IMPARTIDA**

**Histórico de docencia**



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MICROSCOPIA ELECTRÓNICA AVANZADA	Instituto de Investigaciones en Materiales	2	2023-2
2	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS	Instituto de Investigaciones en Materiales	1	2022-2
3	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS	Instituto de Investigaciones en Materiales	1	2022-1
4	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MICROSCOPIA ELECTRONICA AVANZADA	Instituto de Investigaciones en Materiales	2	2021-2
5	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MICROSCOPIA ELECTRONICA AVANZADA	Instituto de Investigaciones en Materiales	2	2021-1
6	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MICROSCOPIA ELECTRONICA AVANZADA	Instituto de Investigaciones en Materiales	1	2020-2
7	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MICROSCOPIA ELECTRÓNICA AVANZADA	Instituto de Investigaciones en Materiales	1	2020-1
8	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MICROSCOPIA ELECTRÓNICA AVANZADA	Instituto de Investigaciones en Materiales	1	2019-2

**JOSE REYES GASGA**

9	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MICROSCOPIA ELECTRÓNICA AVANZADA	Instituto de Investigaciones en Materiales	1	2019-1
10	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS,MICROSCOPIA ELECTRÓNICA AVANZADA	Instituto de Investigaciones en Materiales	2	2018-2
11	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS,MICROSCOPIA ELECTRÓNICA AVANZADA	Instituto de Investigaciones en Materiales	1	2018-1
12	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRÓNICOS MICROSCOPIA ELECTRÓNICA AVANZADA	Instituto de Investigaciones en Materiales	5	2017-2
13	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS-304503	Instituto de Investigaciones en Materiales	1	2017-1
14	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	2	2016-2
15	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	1	2016-1
16	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	3	2015-2
17	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	2	2013-2
18	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	6	2013-1
19	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	1	2013-1
20	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	2	2012-2
21	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	2	2012-1
22	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	2	2012-1

**JOSE REYES GASGA**

23	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	3	2011-2
24	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	6	2011-1
25	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS (OPTATIVA)	Instituto de Investigaciones en Materiales	1	2010-2
26	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS (OPTATIVA)	Instituto de Investigaciones en Materiales	2	2010-1
27	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS (OPTATIVA)	Instituto de Investigaciones en Materiales	2	2009-2
28	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS (OPTATIVA)	Instituto de Investigaciones en Materiales	1	2009-1
29	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS (OPTATIVA)	Instituto de Investigaciones en Materiales	1	2008-2
30	Maestría	OPTATIVA	Facultad de Odontología	1	2008-2
31	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS (OPTATIVA)	Instituto de Investigaciones en Materiales	3	2008-1





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



**JOSE REYES GASGA**

**TUTORIAS EN POSGRADO**

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

**JOSE REYES GASGA**



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



**JOSE REYES GASGA**

**PATENTES**

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

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**FUENTES DE INFORMACIÓN**

**Internos**

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2024
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2024
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2024
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