



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



LOURDES SOLEDAD BAZAN DIAZ

Datos Generales

Nombre: LOURDES SOLEDAD BAZAN DIAZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 7 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR A TC No Definitivo
Instituto de Investigaciones en Materiales
Desde 01-09-2019

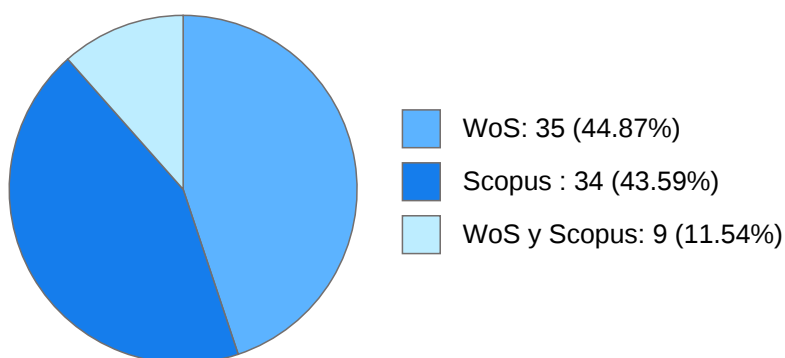
Estímulos, programas, premios y reconocimientos

SNI IIVIGENTE
SNI I 2018 - 2024
EQUIVALENCIA PRIDE B 2020 - 2024

LOURDES SOLEDAD BAZAN DIAZ

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Enhanced Synergistic performance of ZnO@BiOX (X=Cl, Br, I) heterojunction for photocatalytic degradation of emerging pollutants under visible light	LOURDES SOLEDAD BAZAN DIAZ RUBEN MENDOZA CRUZ MANUEL GERARDO QUINTANA GARCIA et al.	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	2025
2	Scanning electron microscopy analysis of metallic and aesthetic bracket meshes before and after debonding	HUGO MARCELO FLORES RUIZ ABIGAIL FLORES LEDESMA ALVARO GARCIA PEREZ et al.	KOREAN J ORTHOD	2025
3	Using Recycled Tetrapak and Doped Titanyl/Vanadyl Phthalocyanine to Make Solid-State Devices	LOURDES SOLEDAD BAZAN DIAZ ROBERTO RENE SALCEDO PINTOS Sánchez Vergara M.E. et al.	Materials	2024
4	Experimental High-Resolution Observation of the Truncated Double-Icosahedron Structure: A Stable Twinned Shell in Alloyed Au-Ag Core@Shell Nanoparticles	RUBEN MENDOZA CRUZ STEPHAN MARIO LOPEZ LOPEZ LOURDES SOLEDAD BAZAN DIAZ et al.	NANO LETTERS	2024
5	Kinetic Evolution from Icosahedrons to Triangular Nanotriangles: Factors Affecting Symmetry Breaking in Au-Cu Multiply Twinned Nanoparticles, Ligand Exchange, and Repercussion in the Catalytic Activity	STEPHAN MARIO LOPEZ LOPEZ LOURDES SOLEDAD BAZAN DIAZ RUBEN MENDOZA CRUZ et al.	CHEMISTRY OF MATERIALS	2024

LOURDES SOLEDAD BAZAN DIAZ

6	Mechanical and Electrochemical Properties Comparison of Additively Manufactured Ti-6Al-4V Alloys by Electron Beam Melting and Selective Laser Melting	LILIANA ROMERO RESENDIZ VIANEY TORRES MENDOZA LOURDES SOLEDAD BAZAN DIAZ et al.	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	2024
7	Spiers Memorial Lecture: Nanomaterials of multiple components; the road to advance the field and experimental and theoretical challenges	RUBEN MENDOZA CRUZ LOURDES SOLEDAD BAZAN DIAZ Alexander Lehr et al.	FARADAY DISCUSSIONS	2023
8	Decahedra and Icosahedra Everywhere: The Anomalous Crystallization of Au and Other Metals at the Nanoscale	RUBEN MENDOZA CRUZ LOURDES SOLEDAD BAZAN DIAZ Rogers B. et al.	CRYST RES TECHNOL	2023
9	PDDA induced step-pyramidal growth of nickel-platinum (Ni-Pt) nanoparticles for enhanced 4-nitrophenol reduction	LOURDES SOLEDAD BAZAN DIAZ RUBEN MENDOZA CRUZ Ariadna Perez et al.	CHEMICAL COMMUNICATIONS	2023
10	Decay emission study of ZnO nanostructures obtained by low-pressure vapor transport technique	ANDRES GALDAMEZ MARTINEZ ATEET DUTT LOURDES SOLEDAD BAZAN DIAZ et al.	Applied Surface Science Advances	2022
11	Spectroscopic analysis and nuclear magnetic resonance for silver nanoparticles synthesized with trans-resveratrol and cis-resveratrol	RUBEN MENDOZA CRUZ LOURDES SOLEDAD BAZAN DIAZ Blanca E. Rodriguez Vazquez et al.	COLLOID AND POLYMER SCIENCE	2022
12	Graphene oxide bifunctionalized with NH ₂ /NH ₃ ⁺ and their outstanding-performance against corrosion	LOURDES SOLEDAD BAZAN DIAZ Edgar H. Ramirez-Soria Ulises Leon-Silva et al.	APPLIED SURFACE SCIENCE	2021
13	Microwave-assisted synthesis of ceria nanoparticles on carbon nanotubes and their dye-removal assesstment	SERGIO JOAQUIN JIMENEZ SANDOVAL LOURDES SOLEDAD BAZAN DIAZ RUBEN MENDOZA CRUZ et al.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-J MR&T	2021
14	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
15	Gold Nanoclusters, Gold Nanoparticles, and Analytical Techniques for Their Characterization	German Plascencia Villa RUBEN MENDOZA CRUZ LOURDES SOLEDAD BAZAN DIAZ et al.	Methods in Molecular Biology	2020
16	The preparation and characterization of co ²⁺ /ni nanoparticles and the testing of a heterogenized co ²⁺ /ni/alumina catalyst for co hydrogenation	LOURDES SOLEDAD BAZAN DIAZ López-Tinoco J. Mendoza-Cruz R. et al.	CATALYSTS	2020

LOURDES SOLEDAD BAZAN DIAZ

17	Electron microscopy study of the carbon-induced 2H-3R-1T phase transition of MoS ₂	LOURDES SOLEDAD BAZAN DIAZ MARIA JOSEFINA ARELLANO JIMENEZ MacChione M.A. et al.	NEW JOURNAL OF CHEMISTRY	2020
18	Revisiting the conformational adsorption of L- and D-cysteine on Au nanoparticles by Raman spectroscopy	PENELOPE RODRIGUEZ ZAMORA CEDRIC ALEXANDER CORDERO SILIS LOURDES SOLEDAD BAZAN DIAZ et al.	JOURNAL OF RAMAN SPECTROSCOPY	2020
19	A comparative study of the synthesis and cathodoluminescence of BiOCl nanostructures using synthetic tannins	FRANCISCO MIGUEL ASCENCIO AGUIRRE JOSE OCTAVIO ESTEVEZ ESPINOZA LOURDES SOLEDAD BAZAN DIAZ et al.	Materials Today Communications	2020
20	Orthorhombic distortion in Au nanoparticles induced by high pressure	LOURDES SOLEDAD BAZAN DIAZ Mendoza-Cruz R. Parajuli P. et al.	Crystengcomm	2019
21	Asymmetric Deposition of Platinum Atoms on Gold Nanorods Reduced the Plasmon Field Distortion Induced by the Substrate	LOURDES SOLEDAD BAZAN DIAZ RUBEN MENDOZA CRUZ Liao C.-K. et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2019
22	Controlled Overgrowth of Five-Fold Concave Nanoparticles into Plasmonic Nanostars and Their Single-Particle Scattering Properties	LOURDES SOLEDAD BAZAN DIAZ RUBEN MENDOZA CRUZ Velázquez-Salazar J.J. et al.	Acs Nano	2019
23	Synthesis and Properties of the Self-Assembly of Gold-Copper Nanoparticles into Nanoribbons	LOURDES SOLEDAD BAZAN DIAZ FRANCISCO MIGUEL ASCENCIO AGUIRRE RAUL HERRERA BECERRA et al.	Langmuir	2018
24	Size and Shape Effects on the Phase Diagrams of Nickel-Based Bimetallic Nanoalloys	LOURDES SOLEDAD BAZAN DIAZ Guisbiers G. Mendoza-Pérez R. et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2017
25	Silver/zinc oxide self-assembled nanostructured bolometer	LOURDES SOLEDAD BAZAN DIAZ Sanchez J.E. Velazquez-Salazar J.J. et al.	INFRARED PHYSICS & TECHNOLOGY	2017
26	Integrative structural and advanced imaging characterization of manganese oxide nanotubes doped with cobaltite	LOURDES SOLEDAD BAZAN DIAZ MARIA JOSEFINA ARELLANO JIMENEZ Enrique Samaniego J. et al.	Crystengcomm	2017
27	Chemical synthesis and characterization of bismuth oxychloride BiOCl nanoparticles	FRANCISCO MIGUEL ASCENCIO AGUIRRE ALFREDO GOMEZ RODRIGUEZ RAUL HERRERA BECERRA et al.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2017
28	Evaporation of Gold on NaCl Surfaces as a Way to Control Spatial Distribution of Nanoparticles: Insights on the Shape and Crystallographic Orientation	LUIS DAVID FERNANDO ROMEU CASAJUANA LOURDES SOLEDAD BAZAN DIAZ Mendoza-Cruz, R. et al.	CRYSTAL GROWTH & DESIGN	2017

LOURDES SOLEDAD BAZAN DIAZ

29	Order-disorder phase transitions in Au-Cu nanocubes: from nano-thermodynamics to synthesis	FRANCISCO MIGUEL ASCENCIO AGUIRRE RAUL HERRERA BECERRA LOURDES SOLEDAD BAZAN DIAZ et al.	Nanoscale	2017
30	Tannic acid assisted synthesis of flake-like hydroxyapatite nanostructures at room temperature	MARICELA SANTANA VAZQUEZ FRANCISCO MIGUEL ASCENCIO AGUIRRE RAUL HERRERA BECERRA et al.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2016
31	Response to ?Comment on ?Electrum, the Gold-Silver Alloy, from the Bulk Scale to the Nanoscale: Synthesis, Properties, and Segregation Rules??	LOURDES SOLEDAD BAZAN DIAZ Guisbiers G. Mendoza-Cruz R. et al.	Acs Nano	2016
32	In situ transmission electron microscopy mechanical deformation and fracture of a silver nanowire	LOURDES SOLEDAD BAZAN DIAZ Alducin D. Borja R. et al.	SCRIPTA MATERIALIA	2016
33	Electrum, the Gold-Silver Alloy, from the Bulk Scale to the Nanoscale: Synthesis, Properties, and Segregation Rules	LOURDES SOLEDAD BAZAN DIAZ Guisbiers, Gregory Mendoza-Cruz, Ruben et al.	Acs Nano	2016
34	Helical Growth of Ultrathin Gold-Copper Nanowires	LOURDES SOLEDAD BAZAN DIAZ JOSE REYES GASGA LUIS DAVID FERNANDO ROMEU CASAJUANA et al.	NANO LETTERS	2016
35	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



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



LOURDES SOLEDAD BAZAN DIAZ

LIBROS Y CAPITULOS CON ISBN

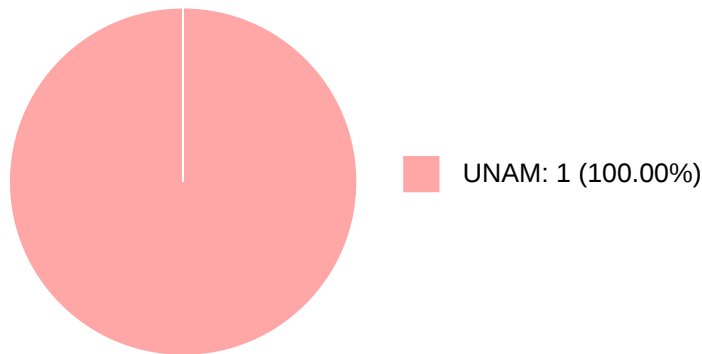
No se encuentran registros en la base de datos de Humanindex asociados a:

LOURDES SOLEDAD BAZAN DIAZ

LOURDES SOLEDAD BAZAN DIAZ

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Microscopia electrónica.	LOURDES SOLEDAD BAZAN DIAZ	Presupuesto de la UNAM asignado a la Dependencia	01-01-2021	31-12-2025



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



LOURDES SOLEDAD BAZAN DIAZ

PARTICIPACIÓN EN TESIS

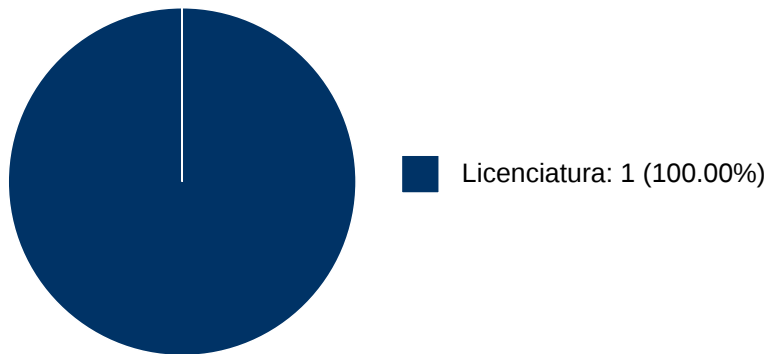
No se encuentran registros en la base de datos de TESIUNAM asociados a:

LOURDES SOLEDAD BAZAN DIAZ

LOURDES SOLEDAD BAZAN DIAZ

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	FISICA	Facultad de Ciencias	22	2024-1



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



LOURDES SOLEDAD BAZAN DIAZ

PATENTES

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

LOURDES SOLEDAD BAZAN DIAZ

LOURDES SOLEDAD BAZAN DIAZ

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