HUGO JESUS TIZNADO VAZQUEZ

Datos Generales

Nombre: HUGO JESUS TIZNADO VAZQUEZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 16 años

Nombramientos

Vigente: INVESTIGADOR TITULAR B TC Definitivo
Centro de Nanociencias y Nanotecnología en la UNAM
Desde 16-08-2022

Estímulos, programas, premios y reconocimientos

SNI II 2015 - VIGENTE
SNI I 2009 - 2014
PRIDE C 2012 - VIGENTE
PRIDE B 2009 - 2012

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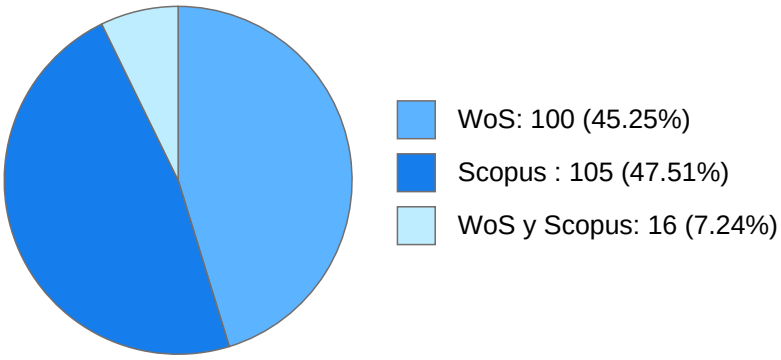
DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Exploring Al₂O₃ blister evolution through cathodoluminescence and attenuated total reflectance infrared analyses	DAVID ALEJANDRO DOMINGUEZ VARGAS OSCAR EDEL CONTRERAS LOPEZ HUGO JESUS TIZNADO VAZQUEZ et al.	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	2024
2	A Voltage-Driven Transport Model to Identify Ion Migration as the Rate-Limiting Step in Memristive Switching	OSCAR EDEL CONTRERAS LOPEZ HUGO JESUS TIZNADO VAZQUEZ Vazquez-Arce J.L. et al.	ADVANCED ELECTRONIC MATERIALS	2024
3	Exploring the Bifunctionality of YSZ Thin Films in MOS Structures: Bridging the Gap between RRAM and Super-Pseudocapacitor Technologies	GERARDO SOTO HERRERA HUGO JESUS TIZNADO VAZQUEZ Arturo Romo	Acs Applied Electronic Materials	2024
4	Multilayered Ru/TiO2 hyperbolic material for nonlinear optics	HUGO JESUS TIZNADO VAZQUEZ Araiza-Sixtos F.A. Solorio-Soto F. et al.	Optical Materials: X	2024
5	Structural, optical, and electrical characterization of TiO2-doped yttria-stabilized zirconia electrolytes grown by atomic layer deposition	GERARDO SOTO HERRERA HUGO JESUS TIZNADO VAZQUEZ Vazquez J.L. et al.	APL MATERIALS	2024

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6	Silicon nanocrystal slab optical waveguide by multi-energy ion implantation: Linear and nonlinear optical properties	EDER GERMAN LIZARRAGA MEDINA BONIFACIO ALEJANDRO CAN UC ALICIA MARIA OLIVER Y GUTIERREZ et al.	OPTICS COMMUNICATIONS	2024
7	XRD as an Alternative Technique for Cation Distribution Characterization of MFe₂O₄ Magnetic Nanoparticles	ANA KARINA CUENTAS GALLEGOS DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO JESUS TIZNADO VAZQUEZ et al.	Journal of Nanotechnology	2024
8	Understanding the role of carboxylic acid surfactants in the growth inhibition effect during area-selective atomic layer deposition: the case of ZnO growth on Cu and Cu₂O	RODRIGO PONCE PEREZ HUGO JESUS TIZNADO VAZQUEZ JONATHAN GUERRERO SANCHEZ et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2024
9	Optical Properties of TiO2 Grown by Atomic Layer Deposition Using Various Oxidizing Agents: The Ellipsometry Analysis of Absorption Properties	OSCAR EDEL CONTRERAS LOPEZ HUGO JESUS TIZNADO VAZQUEZ Vazquez-Arce J.L. et al.	ADVANCED MATERIALS INTERFACES	2024
10	Ultrathin nanocapacitor assembled via atomic layer deposition	JAVIER ALONSO LOPEZ MEDINA MARIO HUMBERTO FARIAS SANCHEZ HUGO JESUS TIZNADO VAZQUEZ et al.	Nanotechnology	2024
11	Maximizing Ru-YSZ-Au battery capacity using an interfacial Ru:YSZ intermixed layer	DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO JESUS TIZNADO VAZQUEZ Vazquez-Arce J.L. et al.	Journal of Energy Storage	2024
12	Effect of crystalline phase of MnO₂ on the degradation of Bisphenol A by catalytic ozonation	INES FUENTES NORIEGA HUGO JESUS TIZNADO VAZQUEZ ISSIS CLAUDETTE ROMERO IBARRA et al.	Journal of Environmental Chemical Engineering	2023
13	Soft removal of stearic acid self-assembled monolayer for area-selective atomic layer deposition	JONATHAN GUERRERO SANCHEZ HUGO JESUS TIZNADO VAZQUEZ López-González L.E.	Surfaces And Interfaces	2023
14	Optimizing energy storage performance of ALD YSZ thin film devices via yttrium concentration variations	GERARDO SOTO HERRERA HUGO JESUS TIZNADO VAZQUEZ Romo O. et al.	Journal of Energy Storage	2023
15	O3-Annealing Effect on the Etching Resilience of a TiO2/Al2O3 filter Prepared by Atomic Layer Deposition	EDER GERMAN LIZARRAGA MEDINA BONIFACIO ALEJANDRO CAN UC MARIO HUMBERTO FARIAS SANCHEZ et al.	ACS APPLIED MATERIALS & INTERFACES	2023
16	Investigation of diffusivity in nanometer-thick yttria-stabilized zirconia by chronoamperometry and its formalism	GERARDO SOTO HERRERA HUGO JESUS TIZNADO VAZQUEZ Vazquez-Arce J.L. et al.	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	2023

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17	Atomic-scale study of TiO₂-GR nanohybrid formation by ALD: the effect of the gas phase precursor	RODRIGO PONCE PEREZ NOBORU TAKEUCHI TAN HUGO JESUS TIZNADO VAZQUEZ et al.	Nanoscale Advances	2023
18	Linear and nonlinear optical properties of Al2O3/Y2O3 nanolaminates fabricated by atomic layer deposition	BONIFACIO ALEJANDRO CAN UC EDER GERMAN LIZARRAGA MEDINA HUGO JESUS TIZNADO VAZQUEZ et al.	OPTICS AND LASER TECHNOLOGY	2023
19	TiO2-x films as a prospective material for slab waveguides prepared by atomic layer deposition	OSCAR EDEL CONTRERAS LOPEZ HUGO JESUS TIZNADO VAZQUEZ Jurado-González J.A. et al.	OPTICS AND LASER TECHNOLOGY	2023
20	Onset of electronic conductivity in nanometer thick films of yttria stabilized zirconia (YSZ) at high electric fields	HUGO JESUS TIZNADO VAZQUEZ Vazquez-Arce J.L. Kirchheim R.	ACTA MATERIALIA	2022
21	Adsorption of sorbitan ester surfactant on copper and Cuprous oxide surfaces: A density functional theory study	NOBORU TAKEUCHI TAN HUGO JESUS TIZNADO VAZQUEZ JONATHAN GUERRERO SANCHEZ et al.	APPLIED SURFACE SCIENCE	2022
22	HfO2:Y2O3 ultrathin nanolaminate structures grown by ALD: Bilayer thickness and annealing temperature effects on optical properties	JAVIER ALONSO LOPEZ MEDINA MARIO HUMBERTO FARIAS SANCHEZ HUGO JESUS TIZNADO VAZQUEZ et al.	CERAMICS INTERNATIONAL	2022
23	Thickness effect of Yttria-Stabilized Zirconia as the electrolyte in all-solid-state thin-film supercapacitor with a wide operating temperature range	DAVID ALEJANDRO DOMINGUEZ VARGAS OSCAR EDEL CONTRERAS LOPEZ GERARDO SOTO HERRERA et al.	JOURNAL OF POWER SOURCES	2022
24	The effect of temperature and bias on the energy storage of a Ru/YSZ/Ru thin-film device	HUGO JESUS TIZNADO VAZQUEZ Romo Jiménez O.A. Noda R.L. et al.	Energy	2022
25	Effect of inert ambient annealing on structural and defect characteristics of coaxial N-CNTs@ZnO nanotubes coated by atomic layer deposition	DAVID ALEJANDRO DOMINGUEZ VARGAS MANUEL HERRERA ZALDIVAR JOSE MANUEL ROMO HERRERA et al.	CERAMICS INTERNATIONAL	2022
26	ALD and PEALD deposition of HfO2 and its effects on the nature of oxygen vacancies	JAVIER ALONSO LOPEZ MEDINA HUGO JESUS TIZNADO VAZQUEZ Martínez-Puente M.A. et al.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2022

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27	Optical waveguides fabricated in atomic layer deposited Al2O3 by ultrafast laser ablation	EDER GERMAN LIZARRAGA MEDINA OSCAR EDEL CONTRERAS LOPEZ HUGO JESUS TIZNADO VAZQUEZ et al.	Results In Optics	2021
28	Magnetic nanostructured based on cobalt-Zinc Ferrites designed for photocatalytic dye degradation	DAVID ALEJANDRO DOMINGUEZ VARGAS JORGE NOE DIAZ DE LEON HERNANDEZ SUSANA GOMEZ GOMEZ et al.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2021
29	A first-principles study of the atomic layer deposition of ZnO on carboxyl functionalized carbon nanotubes: The role of water molecules	HECTOR NOE FERNANDEZ ESCAMILLA HUGO ALEJANDRO BORBON NUÃ?EZ HUGO JESUS TIZNADO VAZQUEZ et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2021
30	Nanostructured silica-supported gold: Effect of nanoparticle size distribution and electronic state on its catalytic properties in oxidation reactions	YULIA KOTOLEVICH OXANA MARTYNYUK JUAN CARLOS GARCIA RAMOS et al.	CATALYSIS TODAY	2021
31	Effect of oxygen based functional groups on the nucleation of TiO2 by atomic layer deposition: A theoretical and experimental study	HUGO ALEJANDRO BORBON NUÃ?EZ JESUS MUÑIZ SORIA DAVID ALEJANDRO DOMINGUEZ VARGAS et al.	MATERIALS CHEMISTRY AND PHYSICS	2021
32	YSZ thin film nanostructured battery for on-chip energy storage applications	EDER GERMAN LIZARRAGA MEDINA EDUARDO ANTONIO MURILLO BRACAMONTES GERARDO SOTO HERRERA et al.	Journal of Energy Storage	2020
33	Swirling fluidized bed plasma reactor for the preparation of supported nanoparticles	GERARDO SOTO HERRERA HUGO JESUS TIZNADO VAZQUEZ Pahuamba E. et al.	REVISTA MEXICANA DE INGENIERIA QUIMICA	2020
34	Non-quarter-wave dielectric mirror prepared by thermal atomic layer deposition	HUGO ALEJANDRO BORBON NUÑEZ NOEMI ABUNDIZ CISNEROS ROBERTO MACHORRO MEJIA et al.	OPTICS AND LASER TECHNOLOGY	2020
35	Al2O3-Y2O3 nanolaminated slab optical waveguides by atomic layer deposition	EDER GERMAN LIZARRAGA MEDINA OSCAR EDEL CONTRERAS LOPEZ HUGO JESUS TIZNADO VAZQUEZ et al.	OPTICAL MATERIALS	2020
36	Effect of gold electronic state on the catalytic performance of nano gold catalysts in n-octanol oxidation	TRINO ARMANDO ZEPEDA PARTIDA HUGO JESUS TIZNADO VAZQUEZ MARIO HUMBERTO FARIAS SANCHEZ et al.	NANOMATERIALS	2020
37	Ni-doped ceria nanorods for the WGS reaction: E ffect of Ni distribution in methane suppression	ARACELI ROMERO NUÑEZ LUCIANO ANTONIO GOMEZ CORTES HUGO JESUS TIZNADO VAZQUEZ et al.	CATALYSIS TODAY	2020

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38	Understanding the first half-ALD cycle of the ZnO growth on hydroxyl functionalized carbon nanotubes	JONATHAN GUERRERO SANCHEZ HUGO ALEJANDRO BORBON NUÑEZ HUGO JESUS TIZNADO VAZQUEZ et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2020
39	Caffeine as a source for nitrogen doped graphene, and its functionalization with silver nanowires in-situ	HUGO JESUS TIZNADO VAZQUEZ Daniel Ramirez-Gonzalez Jose de J. Cruz-Rivera et al.	Advances In Nano Research	2020
40	Structure and Surface Morphology Effect on the Cytotoxicity of [Al2O3/ZnO](n)/316L SS Nanolaminates Growth by Atomic Layer Deposition (ALD)	HUGO JESUS TIZNADO VAZQUEZ MARIO HUMBERTO FARIAS SANCHEZ D. Osorio et al.	Crystals	2020
41	Green synthesis of silver nanoparticles using Lysiloma acapulcensis exhibit high-antimicrobial activity	HUGO ALEJANDRO BORBON NUÑEZ JORGE NOE DIAZ DE LEON HERNANDEZ YANIS TOLEDANO MAGAÑA et al.	SCIENTIFIC REPORTS	2020
42	Modifying nitrogen species of nitrogen-doped carbon nanotubes by thermal annealing to explore their role in the triiodide reduction reaction	DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO ALEJANDRO BORBON NUÑEZ HUGO JESUS TIZNADO VAZQUEZ et al.	Carbon	2020
43	Study of Al2O3 thin films by ALD using H2O and O3 as oxygen source for waveguide applications	EDER GERMAN LIZARRAGA MEDINA HUGO ALEJANDRO BORBON NUÑEZ OSCAR EDEL CONTRERAS LOPEZ et al.	OPTICAL MATERIALS	2020
44	Refractive index of ZnO ultrathin films alternated with Al(2)O(3)in multilayer heterostructures	MARIO HUMBERTO FARIAS SANCHEZ HUGO JESUS TIZNADO VAZQUEZ J. Lopez-Medina et al.	Nanotechnology	2020
45	Tuning the nitrogen species content in N-doped CNTs for catalytic applications	DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO JESUS TIZNADO VAZQUEZ JOSE MANUEL ROMO HERRERA et al.	Abstracts Of Papers Of The American Chemical Society	2019
46	Membranes made of nitrogen-doped CNTs decorated with magnetite NPs for cleaning treated wastewater	ENRIQUE CONTRERAS BERNABE DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO JESUS TIZNADO VAZQUEZ et al.	Abstracts Of Papers Of The American Chemical Society	2019
47	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

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48	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
49	Ag nanoparticles embedded in a magnetic composite for magnetic separation applications	DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO JESUS TIZNADO VAZQUEZ GERARDO SOTO HERRERA et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2019
50	N-Doped carbon nanotubes enriched with graphitic nitrogen in a buckypaper configuration as efficient 3D electrodes for oxygen reduction to H2O2	ENRIQUE CONTRERAS BERNABE DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO JESUS TIZNADO VAZQUEZ et al.	Nanoscale	2019
51	Terephthalic acid decomposition by photocatalytic ozonation with V x O y /ZnO under different UV-A LEDs distributions	HUGO JESUS TIZNADO VAZQUEZ JOSE MANUEL ROMO HERRERA Fuentes I. et al.	CHEMICAL ENGINEERING COMMUNICATIONS	2019
52	Synthesis of high purity nickel oxide by a modified sol-gel method	HUGO JESUS TIZNADO VAZQUEZ Mateos D. Valdez B. et al.	CERAMICS INTERNATIONAL	2019
53	Inhibition effect of ethanol in naproxen degradation by catalytic ozonation with NiO	HUGO JESUS TIZNADO VAZQUEZ Aguilar C.M. Chairez I. et al.	RSC ADVANCES	2019
54	Cobalt?zinc ferrite and magnetite SiO 2 nanocomposite powder for magnetic extraction of DNA	GERARDO SOTO HERRERA JAVIER ALONSO LOPEZ MEDINA HUGO JESUS TIZNADO VAZQUEZ et al.	JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY	2019
55	Third-order nonlinear optical properties of a multi-layer Al2O3/ZnO for nonlinear optical waveguides	HUGO JESUS TIZNADO VAZQUEZ GUSTAVO ALONSO HIRATA FLORES Can-Uc B. et al.	OPTICS EXPRESS	2019
56	The role of the interface on magnetic properties for YFeO3@Al2O3 core-shell structure	HUGO ALEJANDRO BORBON NUÑEZ HUGO JESUS TIZNADO VAZQUEZ JOSE MANUEL ROMO HERRERA et al.	Sn Applied Sciences	2019
57	Novel route of synthesis of ultra-small Au nanoparticles on SiO 2 supports	HUGO JESUS TIZNADO VAZQUEZ MIGUEL AVALOS BORJA NINA BOGDANCHIKOVA et al.	Fuel	2019
58	Low-temperature ozone treatment for carbon nanotube template removal: improving the template-based ALD method	DAVID ALEJANDRO DOMINGUEZ VARGAS JOSE MANUEL ROMO HERRERA OSCAR EDEL CONTRERAS LOPEZ et al.	JOURNAL OF NANOPARTICLE RESEARCH	2018
59	Physical and electrical characterization of yttrium-stabilized zirconia (YSZ) thin films deposited by sputtering and atomic-layer deposition	HUGO JESUS TIZNADO VAZQUEZ GERARDO SOTO HERRERA DAVID ALEJANDRO DOMINGUEZ VARGAS et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2018

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60	Optimal sidewall functionalization for the growth of ultrathin TiO2 nanotubes via atomic layer deposition	DAVID ALEJANDRO DOMINGUEZ VARGAS JOSE MANUEL ROMO HERRERA HUGO JESUS TIZNADO VAZQUEZ et al.	JOURNAL OF MATERIALS SCIENCE	2018
61	Naphthalene degradation by catalytic ozonation based on nickel oxide: study of the ethanol as cosolvent	HUGO JESUS TIZNADO VAZQUEZ Marissa Aguilar, C. Rodriguez, Julia L. et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2017
62	A comparative study of alumina-supported Ni catalysts prepared by photodeposition and impregnation methods on the catalytic ozonation of 2,4-dichlorophenoxyacetic acid	HUGO JESUS TIZNADO VAZQUEZ Rodriguez, Julia L. Valenzuela, Miguel A. et al.	JOURNAL OF NANOPARTICLE RESEARCH	2017
63	Structural and electrical characterization of multilayer Al2O3/ZnO nanolaminates grown by atomic layer deposition	DAVID ALEJANDRO DOMINGUEZ VARGAS EDUARDO ANTONIO MURILLO BRACAMONTES ROBERTO MACHORRO MEJIA et al.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2017
64	Indium-doped ZnO nanorods grown on Si (111) using a hybrid ALD-solvothermal method	HUGO JESUS TIZNADO VAZQUEZ OSCAR EDEL CONTRERAS LOPEZ Cervantes-Lopez, J. L. et al.	MATERIALS RESEARCH EXPRESS	2017
65	Refractive index and bandgap variation in Al2O3-ZnO ultrathin multilayers prepared by atomic layer deposition	FELIPE FRANCISCO CASTILLON BARRAZA ROBERTO MACHORRO MEJIA MARIO HUMBERTO FARIAS SANCHEZ et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2017
66	Influence of the bilayer thickness on the optical properties of Al2O3-Y2O3 dielectric nanolaminate films grown by thermal atomic layer deposition	FELIPE FRANCISCO CASTILLON BARRAZA ROBERTO MACHORRO MEJIA MARIO HUMBERTO FARIAS SANCHEZ et al.	MATERIALS RESEARCH BULLETIN	2017
67	n-Octanol oxidation on Au/TiO2 catalysts promoted with La and Ce oxides	MARIO HUMBERTO FARIAS SANCHEZ HUGO JESUS TIZNADO VAZQUEZ A. Pestryakov et al.	Molecular Catalysis	2017
68	Fabrication of hollow TiO2 nanotubes through atomic layer deposition and MWCNT templates	DAVID ALEJANDRO DOMINGUEZ VARGAS JOSE MANUEL ROMO HERRERA GERARDO SOTO HERRERA et al.	POWDER TECHNOLOGY	2017
69	Al2O3-Y2O3 ultrathin multilayer stacks grown by atomic layer deposition as perspective for optical waveguides applications	ROBERTO MACHORRO MEJIA MARIO HUMBERTO FARIAS SANCHEZ HUGO JESUS TIZNADO VAZQUEZ et al.	OPTICAL MATERIALS	2017
70	On the high sensitivity of the electronic states of1 nm gold particles to pretreatments and modifiers	HUGO JESUS TIZNADO VAZQUEZ TRINO ARMANDO ZEPEDA PARTIDA JOSUE DAVID MOTA MORALES et al.	Molecules	2016

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71	Photocatalytic hydrogen production over titania modified by gold ? Metal (palladium, nickel and cobalt) catalysts	HUGO JESUS TIZNADO VAZQUEZ JOSE MANUEL ROMO HERRERA RODOLFO ZANELLA SPECIA et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2016
72	Enhancing the oxidation resistance of diamond powder by the application of Al2O3 conformal coat by atomic layer deposition	DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO JESUS TIZNADO VAZQUEZ JOSE MANUEL ROMO HERRERA et al.	DIAMOND AND RELATED MATERIALS	2016
73	YCrO3/Al2O3 Core-Shell Design: The Effect of the Nanometric Al2O3-Shell on Dielectric Properties	HUGO JESUS TIZNADO VAZQUEZ JOSE MANUEL ROMO HERRERA MANUEL HERRERA ZALDIVAR et al.	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	2016
74	Au/TiO2 catalysts promoted with Fe and Mg for n-octanol oxidation under mild conditions	HUGO JESUS TIZNADO VAZQUEZ MARIO HUMBERTO FARIAS SANCHEZ NINA BOGDANCHIKOVA et al.	CATALYSIS TODAY	2016
75	Thickness effect on the optical and morphological properties in Al2O3/ZnO nanolaminate thin films prepared by atomic layer deposition	DAVID ALEJANDRO DOMINGUEZ VARGAS EDUARDO ANTONIO MURILLO BRACAMONTES FELIPE FRANCISCO CASTILLON BARRAZA et al.	SUPERLATTICES AND MICROSTRUCTURES	2016
76	Potassium titanate as heterogeneous catalyst for methyl transesterification	HUGO JESUS TIZNADO VAZQUEZ Zuniga Gonzalez, Edgar Andres GarciaGuaderrama, M. et al.	POWDER TECHNOLOGY	2015
77	The control of thickness on aluminum oxide nanotubes by Atomic Layer Deposition using carbon nanotubes as removable templates	Franklin MunozMunoz GERARDO SOTO HERRERA DAVID ALEJANDRO DOMINGUEZ VARGAS et al.	POWDER TECHNOLOGY	2015
78	Insulating carbon nanotubes by atomic layer deposition for electrical wiring purposes	JOSE MANUEL ROMO HERRERA OSCAR EDEL CONTRERAS LOPEZ DAVID ALEJANDRO DOMINGUEZ VARGAS et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2015
79	Nanocomposite YCrO3/Al2O3: Characterization of the core-shell, magnetic properties, and enhancement of dielectric properties	ALEJANDRO CESAR DURAN HERNANDEZ HUGO JESUS TIZNADO VAZQUEZ JOSE MANUEL ROMO HERRERA et al.	INORGANIC CHEMISTRY	2014
80	Synthesis of nickel oxide nanoparticles supported on SiO2 by sensitized liquid phase photodeposition for applications in catalytic ozonation	HUGO JESUS TIZNADO VAZQUEZ Rodriguez, Julia L. Valenzuela, Miguel A. et al.	JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL	2014
81	Pulsed-bed atomic layer deposition setup for powder coating	HUGO JESUS TIZNADO VAZQUEZ DAVID ALEJANDRO DOMINGUEZ VARGAS F. Munoz Munoz et al.	POWDER TECHNOLOGY	2014

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82	Surface interactions and mechanistic studies of 2,4-dichlorophenoxyacetic acid degradation by catalytic ozonation in presence of Ni/TiO2	HUGO JESUS TIZNADO VAZQUEZ Rodriguez, Julia L. Poznyak, Tatiana et al.	CHEMICAL ENGINEERING JOURNAL	2013
83	Effect of redox treatments on activation and deactivation of gold nanospecies supported on mesoporous silica in CO oxidation	NINA BOGDANCHIKOVA TRINO ARMANDO ZEPEDA PARTIDA MARIO HUMBERTO FARIAS SANCHEZ et al.	Fuel	2013
84	First principles calculations of interstitial and lamellar rhenium nitrides	GERARDO SOTO HERRERA HUGO JESUS TIZNADO VAZQUEZ A. Reyes et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2012
85	Photodeposition of Ni nanoparticles on TiO2 and their application in the catalytic ozonation of 2,4-dichlorophenoxyacetic acid	HUGO JESUS TIZNADO VAZQUEZ Rodriguez, Julia L. Valenzuela, Miguel A. et al.	JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL	2012
86	PH-sensitive electrical behavior of 4-vinylpyridine grafts on poly(propylene) films	HUGO JESUS TIZNADO VAZQUEZ DAVID ALEJANDRO DOMINGUEZ VARGAS Arenas E.	Procedia Engineering	2012
87	Study of electronic state of supported gold nanospecies by IR spectroscopy	NINA BOGDANCHIKOVA HUGO JESUS TIZNADO VAZQUEZ TRINO ARMANDO ZEPEDA PARTIDA et al.	Proceedings - 2012 7th International Forum On Strategic Technology, Ifost 2012	2012
88	TiO2 and Al2O3 ultra thin nanolaminates growth by ALD; instrument automation and films characterization	HUGO JESUS TIZNADO VAZQUEZ DAVID ALEJANDRO DOMINGUEZ VARGAS WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	REVISTA MEXICANA DE FISICA	2012
89	Evaluation of rhenium carbide as a prospective material for hard coating	GERARDO SOTO HERRERA HUGO JESUS TIZNADO VAZQUEZ JESUS ANTONIO DIAZ HERNANDEZ et al.	Thin Solid Films	2011
90	Molecular Assembly of Multi-Wall Carbon Nanotubes with Amino Crown Ether: Synthesis and Characterization	HUGO JESUS TIZNADO VAZQUEZ GABRIEL ALONSO NUÑEZ Camarena, J. P. et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2011
91	Preparation of a Ag/SiO2 nanocomposite using a fluidized bed microwave plasma reactor, and its hydrodesulphurization and Escherichia coli bactericidal activities	GERARDO SOTO HERRERA HUGO JESUS TIZNADO VAZQUEZ OSCAR EDEL CONTRERAS LOPEZ et al.	POWDER TECHNOLOGY	2011

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92	Use of AES in corrosion of copper connectors of electronic devices and equipments in arid and marine environments	HUGO JESUS TIZNADO VAZQUEZ GERARDO SOTO HERRERA WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	ANTI-CORROSION METHODS AND MATERIALS	2011
93	Influence of climate factors on copper corrosion in electronic equipment and devices	HUGO JESUS TIZNADO VAZQUEZ GERARDO SOTO HERRERA Badilla Gustavo, Lopez et al.	ANTI-CORROSION METHODS AND MATERIALS	2010
94	Hydrofluoric-acid-resistant and hydrophobic pure-silica-zeolite MEL low-dielectric-constant films	HUGO JESUS TIZNADO VAZQUEZ Yan Y. Lew C.M. et al.	Langmuir	2009
95	Comprehensive characterization of hybrid junctions comprised of a porphyrin monolayer sandwiched between a coinage metal overlayer and a Si(100) substrate	HUGO JESUS TIZNADO VAZQUEZ Anariba F. Diers J.R. et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2008
96	A complex study of copper reduction in erionite	VITALI PETRANOVSKI AFANASIEVNA HUGO JESUS TIZNADO VAZQUEZ MARIO HUMBERTO FARIAS SANCHEZ et al.	STUD SURF SCI CATAL	2008
97	Catalytic activity in hydrocarbon conversion of pentasil containing platinum, nickel, iron, or zinc nanoparticles	I. V. Tuzovskaya NINA BOGDANCHIKOVA MIGUEL AVALOS BORJA et al.	PETROL CHEM+	2008
98	Catalytic activity in the hydrocarbon conversion of systems containing platinum, nickel, iron, and zinc nanoparticles (communication 2)	I. V. Tuzovskaya NINA BOGDANCHIKOVA MIGUEL AVALOS BORJA et al.	PETROL CHEM+	2008
99	Mechanistic details of atomic layer deposition (ALD) processes for metal nitride film growth	HUGO JESUS TIZNADO VAZQUEZ Bouman M. Kang B.-C. et al.	JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL	2008
100	Mechanistic details of atomic layer deposition (ALD) processes	HUGO JESUS TIZNADO VAZQUEZ Xu M. Kang B.-C. et al.	JOURNAL OF THE KOREAN PHYSICAL SOCIETY	2007
101	Effect of ceria-zirconia ratio on the interaction of CO with PdO/Al2O3-(Cex-Zr1-x)O2 catalysts prepared by sol-gel method	FELIPE FRANCISCO CASTILLON BARRAZA ANDREY SIMAKOV HUGO JESUS TIZNADO VAZQUEZ et al.	APPLIED CATALYSIS B-ENVIRONMENTAL	2007
102	Co-existance of various active gold species in Au-mordenite catalyst for CO oxidation	ANDREY SIMAKOV NINA BOGDANCHIKOVA MARIO HUMBERTO FARIAS SANCHEZ et al.	CATALYSIS COMMUNICATIONS	2007

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103	Stepwise formation and characterization of covalently linked multiporphyrin-ilmide architectures on SI(100)	HUGO JESUS TIZNADO VAZQUEZ Jiao J. Anariba F. et al.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	2006
104	Surface chemistry in the atomic layer deposition of TiN films from TiCl4 and ammonia	HUGO JESUS TIZNADO VAZQUEZ Zaera F.	JOURNAL OF PHYSICAL CHEMISTRY B	2006
105	Adsorption characteristics of tripodal thiol-functionalized porphyrins on gold	HUGO JESUS TIZNADO VAZQUEZ Wei L. Liu G. et al.	JOURNAL OF PHYSICAL CHEMISTRY B	2005
106	Infrared Study of CO adsorbed on Pd/Al 2O 3-ZrO 2. Effect of zirconia added by impregnation	HUGO JESUS TIZNADO VAZQUEZ SERGIO FUENTES MOYADO Zaera F.	Langmuir	2004
107	Measurements of electron-transfer rates of charge-storage molecular monolayers on Si(100). Toward hybrid molecular/semiconductor information storage devices	HUGO JESUS TIZNADO VAZQUEZ Roth K.M. Yasseri A.A. et al.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	2003

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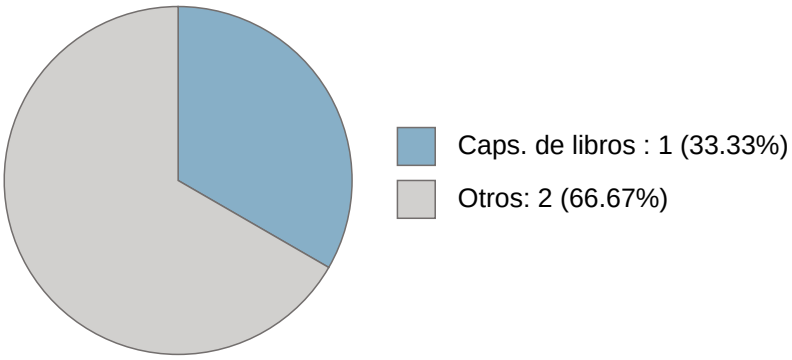
LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

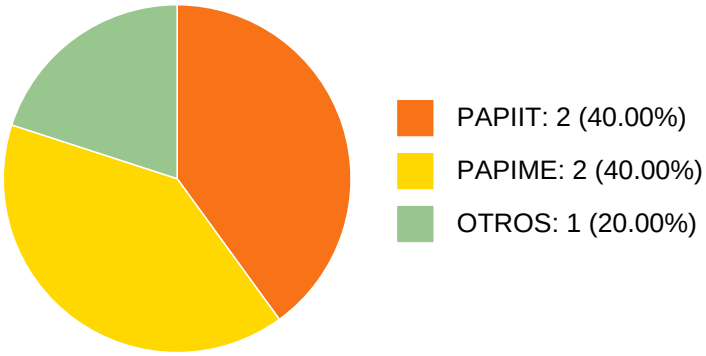


#	Título	Autores	Alcance	Año	ISBN
1	Design of all-pass optical micro-ring resonators based on silicon on insulator waveguides	HUGO JESUS TIZNADO VAZQUEZ EDER GERMAN LIZARRAGA MEDINA Castro-Toscano J.D. et al.	Conferenc e Paper	2024	9781510679184
2	Application in hyperthermia treatment	HUGO JESUS TIZNADO VAZQUEZ JAVIER ALONSO LOPEZ MEDINA Camacho S.A. et al.	Capítulo de un Libro	2021	9780128240076
3	Multilayered metal-dielectric Ru/TiO2 hyperbolic material for nonlinear optics	HUGO JESUS TIZNADO VAZQUEZ EDER GERMAN LIZARRAGA MEDINA Araiza-Sixtos F.A. et al.	Conferenc e Paper	2021	9781557528209

HUGO JESUS TIZNADO VAZQUEZ

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

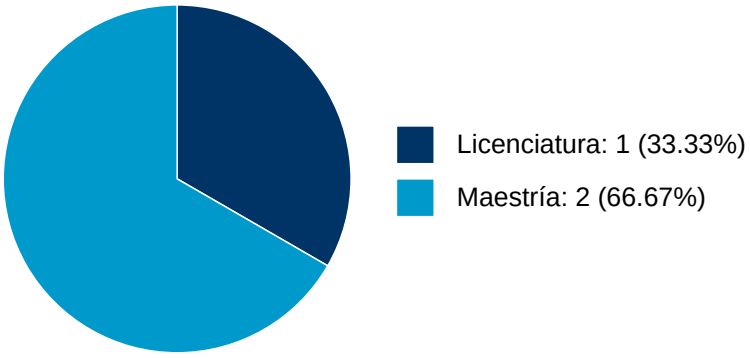


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Multicapas ultradelgadas para aplicaciones ópticas y eléctricas en nanotecnología: Introducción a los procesos de síntesis	HUGO JESUS TIZNADO VAZQUEZ	Recursos PAPIME	01-01-2017	31-12-2019
2	Fabricación de estructuras autosoportadas 1D nanomateriales, diseño de procesos para las remoción suave de plantillas.	HUGO JESUS TIZNADO VAZQUEZ	Recursos PAPIIT	01-02-2018	31-12-2020
3	Multicapas ultradelgadas para aplicaciones ópticas y eléctricas en nanotecnología: Introducción a los procesos de síntesis	HUGO JESUS TIZNADO VAZQUEZ	Recursos PAPIME	01-01-2017	31-12-2019
4	Almacenamiento de energía en estructuras de estado sólido 2D nanolaminadas	HUGO JESUS TIZNADO VAZQUEZ	Recursos PAPIIT	01-01-2021	31-12-2023
5	Develando el origen de los procesos faradaicos en sistemas rápidos de almacenamiento electroquímico de energía.	HUGO JESUS TIZNADO VAZQUEZ	Recursos CONAHCyT	06-11-2020	31-10-2023

HUGO JESUS TIZNADO VAZQUEZ

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

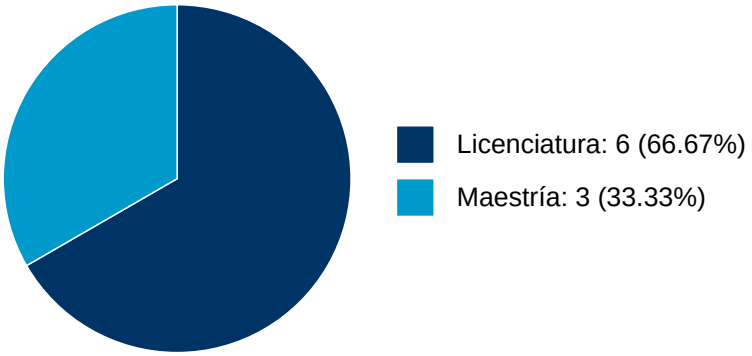


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Fabricación y caracterización de sensor de oxígeno basado en películas delgadas	Tesis de Licenciatura	HUGO JESUS TIZNADO VAZQUEZ,	Huerta Salcedo, Juan Antonio,	Centro de Nanociencias y Nanotecnología en la UNAM,	2020
2	Caracterización de propiedades eléctricas de capacitores con dieléctricos nanolaminados	Tesis de Maestría	HUGO JESUS TIZNADO VAZQUEZ,	Ortiz Fonseca, Francisco Javier,	Centro de Nanociencias y Nanotecnología en la UNAM,	2018
3	Producción de nanopartículas de ag mediante plasma-lecho fluidizado	Tesis de Maestría	HUGO JESUS TIZNADO VAZQUEZ,	Pahuamba Valdez, Enrique Rafael,	Centro de Nanociencias y Nanotecnología en la UNAM,	2014

HUGO JESUS TIZNADO VAZQUEZ

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	NANOMATERIALES II: CARACTERIZACION	Centro de Nanociencias y Nanotecnología en la UNAM	5	2019-2
2	Licenciatura	NANOMATERIALES II: CARACTERIZACION	Centro de Nanociencias y Nanotecnología en la UNAM	5	2018-2
3	Licenciatura	NANOMATERIALES II: CARACTERIZACION	Centro de Nanociencias y Nanotecnología en la UNAM	8	2017-2
4	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	1	2016-2
5	Licenciatura	NANOMATERIALES II: CARACTERIZACION-335985	Centro de Nanociencias y Nanotecnología en la UNAM	10	2016-2
6	Licenciatura	NANOMATERIALES II: CARACTERIZACION	Centro de Nanociencias y Nanotecnología en la UNAM	4	2015-2
7	Licenciatura	NANOMATERIALES II: CARACTERIZACION	Centro de Nanociencias y Nanotecnología en la UNAM	10	2014-2

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8	Maestría	TEMAS SELECTOS DE MATERIALES ELECTRONICOS	Instituto de Investigaciones en Materiales	1	2012-1
9	Maestría	INTRODUCCION A LA QUIMICA DE LOS MATERIALES	Instituto de Investigaciones en Materiales	3	2011-2

HUGO JESUS TIZNADO VAZQUEZ

TUTORIAS EN POSGRADO

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

HUGO JESUS TIZNADO VAZQUEZ

HUGO JESUS TIZNADO VAZQUEZ

PATENTES

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

HUGO JESUS TIZNADO VAZQUEZ

HUGO JESUS TIZNADO VAZQUEZ

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