



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



EDNA VAZQUEZ VELEZ

Datos Generales

Nombre: EDNA VAZQUEZ VELEZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 10 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR B TC Definitivo
Instituto de Ciencias Físicas
Desde 01-05-2023

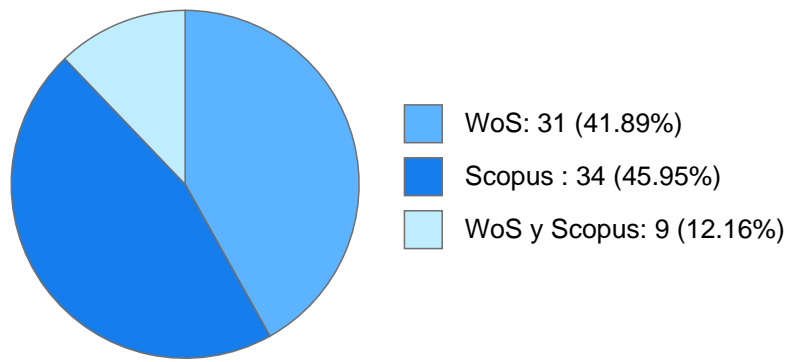
Estímulos, programas, premios y reconocimientos

SNI I 2017 - 2024
PRIDE D 2024
PRIDE C 2019 - 2024
EQUIVALENCIA PRIDE B 2014 - 2019

EDNA VAZQUEZ VELEZ

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Superficial Modification of the Mg ₂ Zn Biomaterials via Ion Nitriding for Biomedical Applications	HORACIO MARTINEZ VALENCIA EDNA VAZQUEZ VELEZ Gonzaga S. et al.	METALS	2024
2	Use of CeO ₂ nanoparticles as CO ₂ -corrosion inhibitors of a duplex stainless steel	EDNA VAZQUEZ VELEZ JOSE GONZALO GONZALEZ RODRIGUEZ Alfredo Brito-Franco et al.	GREEN CHEMISTRY LETTERS AND REVIEWS	2024
3	Plasma-modified cerium oxide nanocatalyst for atmospheric pressure plasma degradation of methylene blue	EDNA VAZQUEZ VELEZ HORACIO MARTINEZ VALENCIA LAZARO HUERTA ARCOS et al.	Journal of Water Process Engineering	2024
4	Life Cycle Assessment of Green Synthesis of TiO ₂ Nanoparticles vs. Chemical Synthesis	EDNA VAZQUEZ VELEZ HORACIO MARTINEZ VALENCIA Maria del Pilar Rodriguez-Rojas et al.	SUSTAINABILITY	2024
5	Synthesis of Magnesium-Based Alloys by Mechanical Alloying for Implant Applications	HORACIO MARTINEZ VALENCIA EDNA VAZQUEZ VELEZ Gonzaga S. et al.	Coatings	2023
6	Use of Avocado to Obtain an Ammonium Quaternary Salt as CO ₂ -Corrosion Inhibitor of a Duplex Stainless Steel	EDNA VAZQUEZ VELEZ JOSE GONZALO GONZALEZ RODRIGUEZ Brito-Franco A. et al.	Journal of Bio- and Tribo-Corrosion	2023

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7	Effect of Plasma Nitriding and Oxidation on the Corrosion Resistance of 304 Stainless Steel in LiBr/H ₂ O and CaCl ₂ -LiBr-LiNO ₃ -H ₂ O Mixtures	EDNA VAZQUEZ VELEZ A. K. Larios-Galvez H. Martinez-Valencia et al.	METALS	2023
8	Life Cycle Analysis of a Novel Process from the Automotive Industry in Mexico for Recycling Nylon 6,6 into Polymeric Coatings	EDNA VAZQUEZ VELEZ MARIA DEL CARMEN CISNEROS GUDIÑO Maria del Pilar Rodriguez et al.	SUSTAINABILITY	2023
9	Atmospheric plasma treatment to improve the surface properties of P3HB coating. A study of the influence of substrate roughness	MARIA DEL CARMEN CISNEROS GUDIÑO EDNA VAZQUEZ VELEZ ARTURO GALVAN HERNANDEZ et al.	JOURNAL OF APPLIED POLYMER SCIENCE	2023
10	Gentamicin Release Study in Uniaxial and Coaxial Polyhydroxybutyrate-Polyethylene Glycol-Gentamicin Microfibers Treated with Atmospheric Plasma	EDNA VAZQUEZ VELEZ HORACIO MARTINEZ VALENCIA BERNARDO FABIAN CAMPILLO ILLANES et al.	POLYMERS	2023
11	Corrosion inhibition of aluminum 2024-T3 in 3.5% NaCl by using litchi chinensis extract	EDNA VAZQUEZ VELEZ JOSE GONZALO GONZALEZ RODRIGUEZ N. J. Anzurez Valdez et al.	REVISTA MEXICANA DE INGENIERIA QUIMICA	2022
12	Studies on the effect of long-chain and head groups of nonionic surfactants synthesized from palm and coconut oil on the formation of silver nanoparticles	EDNA VAZQUEZ VELEZ HORACIO MARTINEZ VALENCIA MOHAN KUMAR KESARLA et al.	JOURNAL OF SURFACTANTS AND DETERGENTS	2022
13	Synthesis of non-ionic, cationic, and anionic surfactant from coconut oil for remediation of diesel contaminated soil	EDNA VAZQUEZ VELEZ BERNARDO FABIAN CAMPILLO ILLANES J. Monzon-Mendoza et al.	REVISTA MEXICANA DE INGENIERIA QUIMICA	2022
14	Degradation of Acid Red 1 Catalyzed by Peroxidase Activity of Iron Oxide Nanoparticles and Detected by SERS	EDNA VAZQUEZ VELEZ HORACIO MARTINEZ VALENCIA FERMIN CASTILLO MEJIA	NANOMATERIALS	2021
15	Sulfide stress cracking inhibition of a supermartensitic stainless steel by using an imidazol obtained from palm oil	EDNA VAZQUEZ VELEZ Jose-Gonzalo Gonzalez-Rodriguez Andres Carmona Hernandez et al.	ANTI-CORROSION METHODS AND MATERIALS	2021
16	Use of a Gemini-Surfactant Synthesized from the Mango Seed Oil as a CO ₂ -Corrosion Inhibitor for X-120 Steel	EDNA VAZQUEZ VELEZ JESUS PORCAYO CALDERON MAURA CASALES DIAZ et al.	Materials	2021
17	Effect of Flow Condition on the H ₂ S Corrosion Inhibition of a Supermartensitic Stainless Steel with a Gemini Surfactant	EDNA VAZQUEZ VELEZ JOSE GONZALO GONZALEZ RODRIGUEZ Carmona-Hernandez A. et al.	Journal of Bio- and Tribo-Corrosion	2020

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18	Electrospinning of polyacrylonitrile nanofibers embedded with zerovalent iron and cerium oxide nanoparticles, as Cr(VI) adsorbents for water treatment	EDNA VAZQUEZ VELEZ HORACIO MARTINEZ VALENCIA L. Lopez-Zarate	JOURNAL OF APPLIED POLYMER SCIENCE	2020
19	Use of an imidazol synthesized from palm oil as a corrosion inhibitor for a supermartensitic stainless steel in H2S	EDNA VAZQUEZ VELEZ JOSE GONZALO GONZALEZ RODRIGUEZ LORENZO MARTINEZ GOMEZ et al.	GREEN CHEMISTRY LETTERS AND REVIEWS	2019
20	Use of fatty amide and anionic surfactant as corrosion inhibitors for carbon steel in different atmospheres	EDNA VAZQUEZ VELEZ LORENZO MARTINEZ GOMEZ J. G. Gonzalez-Rodriguez et al.	International Journal of Corrosion and Scale Inhibition	2019
21	Use of a non-ionic gemini-surfactant synthesized from the wasted avocado oil as a CO ₂ - corrosion inhibitor for X-52 steel	EDNA VAZQUEZ VELEZ GONZALO GALICIA AGUILAR MAURA CASALES DIAZ et al.	INDUSTRIAL CROPS AND PRODUCTS	2019
22	A corrosion inhibition study of a novel nonionic gemini surfactant derived from palm oil for supermartensitic stainless steel in sour solution.	EDNA VAZQUEZ VELEZ Carmona-Hernandez A. Uruchurtu-Chavarin J. et al.	ECS Transactions	2019
23	Use of an amide-type corrosion inhibitor synthesized from the coffee bagasse oil on the corrosion of Cu in NaCl	HORACIO MARTINEZ VALENCIA EDNA VAZQUEZ VELEZ LORENZO MARTINEZ GOMEZ et al.	GREEN CHEMISTRY LETTERS AND REVIEWS	2018
24	Effect of plasma pre-oxidation on the Cu corrosion inhibition in 3.5% NaCl by an environmentally friendly amide	HORACIO MARTINEZ VALENCIA EDNA VAZQUEZ VELEZ BERNARDO FABIAN CAMPILLO ILLANES et al.	INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE	2018
25	Nitrogen doped carbon dots derived from Sargassum fluitans as fluorophore for DNA detection	EDNA VAZQUEZ VELEZ LORENZO MARTINEZ GOMEZ Godavarthi, S. et al.	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY	2017
26	Corrosion Performance of Ni-Based Alloys in Sodium Metavanadate	EDNA VAZQUEZ VELEZ LORENZO MARTINEZ GOMEZ JOSE JUAN RAMOS HERNANDEZ et al.	INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE	2016
27	Use of a Palm Oil-Based Imidazoline as Corrsion Inhibitor for Copper in 3.5% NaCl Solution	EDNA VAZQUEZ VELEZ LORENZO MARTINEZ GOMEZ Gonzalez-Rodriguez, J. G. et al.	INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE	2016

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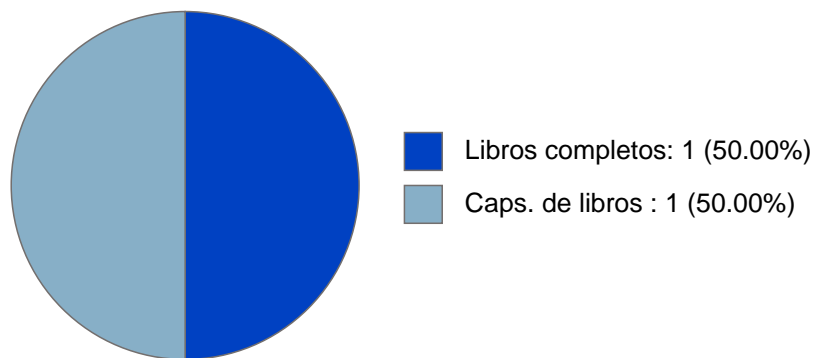
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28	Green synthesis of hausmannite nanocrystals and their photocatalytic dye degradation and antimicrobial studies	EDNA VAZQUEZ VELEZ MAURA CASALES DIAZ LORENZO MARTINEZ GOMEZ et al.	JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY	2016
29	Electrochemical Analysis and Quantum Chemistry of Castor Oil-Based Corrosion Inhibitors	MAURA CASALES DIAZ EDNA VAZQUEZ VELEZ Godavarthi, S. et al.	CURRENT ANALYTICAL CHEMISTRY	2016
30	Effect of the Depth of the Solution Layer on the Atmospheric Corrosion of Carbon Steel	EDNA VAZQUEZ VELEZ MAURA CASALES DIAZ LORENZO MARTINEZ GOMEZ et al.	INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE	2016
31	Effect of the unsaturation of the hydrocarbon chain of fatty-amides on the CO ₂ corrosion of carbon steel using EIS and real-time corrosion measurement	J. PorcayoCalderon JOSE IGNACIO REGLA CONTRERAS EDNA VAZQUEZ VELEZ et al.	JOURNAL OF SPECTROSCOPY	2015
32	Influence of the chemical composition in the electrochemical response of permanent magnets	S. Godavarthi EDNA VAZQUEZ VELEZ MAURA CASALES DIAZ et al.	JOURNAL OF SPECTROSCOPY	2015
33	Regulation of antibiotic sales in Mexico: an analysis of printed media coverage and stakeholder participation	EDNA VAZQUEZ VELEZ Dreser, Anahi Trevino, Sandra et al.	Bmc Public Health	2012
34	Surface modification of the Nylon 6,6 and wasted glass fiber-Nylon 6.6 coatings using atmospheric plasma treatment	EDNA VAZQUEZ VELEZ ARTURO GALVAN HERNANDEZ HORACIO MARTINEZ VALENCIA et al.	JOURNAL OF APPLIED POLYMER SCIENCE	

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Corrosion inhibition studies of synthesized oleic sources-based green inhibitors from agro-industrial waste	OSCAR SOTELO MAZON EDNA VAZQUEZ VELEZ HORACIO MARTINEZ VALENCIA et al.	Capítulo de un Libro	2023	9781668476901
2	Física experimental	HORACIO MARTINEZ VALENCIA IGNACIO ALEJANDRO FIGUEROA VARGAS CITLALI SANCHEZ AKE et al.	Libro Completo	2022	9786074247770



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PARTICIPACIÓN EN PROYECTOS

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

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PARTICIPACIÓN EN TESIS

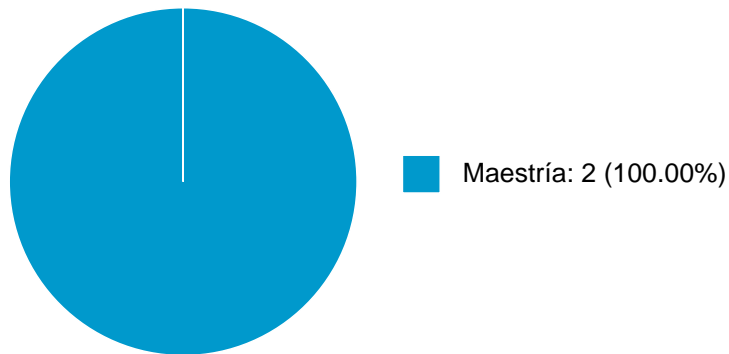
No se encuentran registros en la base de datos de TESIUNAM asociados a:

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TEMAS SELECTOS DE METALURGÍA MATERIALES COMPUESTOS	Facultad de Química	1	2020-2
2	Maestría	TÉCNICAS EXPERIMENTALES EN METALURGÍA	Facultad de Química	3	2020-1



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PATENTES

#	Título	Inventores	Sección	Año
1	OBTENCION DE INHIBIDORES DE CORROSION A PARTIR DEL APROVECHAMIENTO DE DESECHOS DE AGUACATE.	EDNA VAZQUEZ VELEZ, LORENZO MARTINEZ GOMEZ,	CHEMISTRY; METALLURGY	2022

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2024
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024