



## **JORGE NOE DIAZ DE LEON HERNANDEZ**

### **Datos Generales**

**Nombre:** JORGE NOE DIAZ DE LEON HERNANDEZ

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 10 años

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### **Nombramientos**

**Vigente:** INVESTIGADOR TITULAR B TC Definitivo  
Centro de Nanociencias y Nanotecnología en la UNAM  
Desde 01-10-2023

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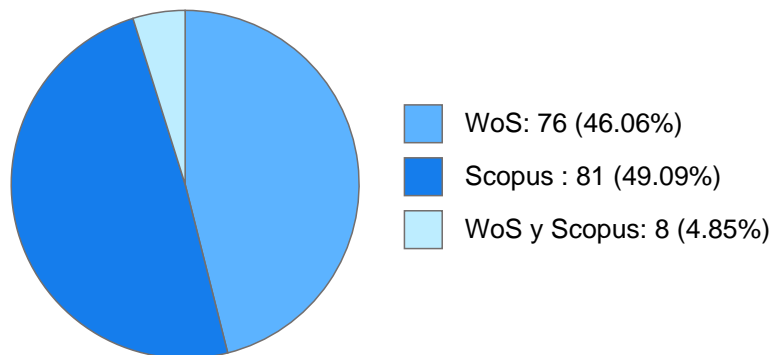
### **Estímulos, programas, premios y reconocimientos**

SNI II 2023 - 2025  
SNI I 2017 - 2022  
PRIDE C 2022 - 2024  
EQUIVALENCIA PRIDE B 2017 - 2022

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**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



#	Título	Autores	Revista	Año
1	Size Effects of TiO <sub>2</sub> Nanoparticles as Supports for W- and NiW-Catalysts for Selective 3-Methylthiophene Desulfurization	SERGIO FUENTES MOYADO OSCAR EDEL CONTRERAS LOPEZ MIGUEL AVALOS BORJA et al.	Chemcatchem	2026
2	Enhanced effectiveness of crosslinked chitosan?Polyacrylate@ZrO <sub>2</sub> bio-nanocomposite for superior Lead and copper removal: In-depth mechanistic understanding and reusable performance	JORGE NOE DIAZ DE LEON HERNANDEZ Alqarni L.S. EL Kaim Billah R. et al.	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2026
3	Development of Nanostructured Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> Mixed Oxides as Supports for NiMoW Catalysts and Their Evaluation in 3-Methyl Thiophene Hydrodesulfurization	RAFAEL HUIRACHE ACUÑA JORGE NOE DIAZ DE LEON HERNANDEZ Alma I. Gochi-Bautista et al.	Processes	2025
4	Nickel promoter effect in rhenium catalysts for valorization of bio-oil model molecules	JORGE NOE DIAZ DE LEON HERNANDEZ Mora N. Blanco E. et al.	APPLIED CATALYSIS A-GENERAL	2025
5	Improving the Catalytic Selectivity of Reverse Water-Gas Shift Reaction Catalyzed by Ru/CeO <sub>2</sub> Through the Addition of Yttrium Oxide	ALFREDO SOLIS GARCIA KARINA PORTILLO CORTEZ DAVID ALEJANDRO DOMINGUEZ VARGAS et al.	CATALYSTS	2025

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6	Bimetallic Nickel and Cobalt nanoparticles supported on TiO <sub>2</sub> as catalyst for the synthesis of 2-substituted benzimidazole by reductive amination-cyclization of 2-nitroaniline and aldehydes	JORGE NOE DIAZ DE LEON HERNANDEZ González-Vera D. Leal-Villarroel E. et al.	CATALYSIS TODAY	2025
7	Palladium Nanoparticles Immobilized on the Amine-Functionalized Lumen of Halloysite for Catalytic Hydrogenation Reactions	JORGE NOE DIAZ DE LEON HERNANDEZ Bedoya S. González-Vera D. et al.	CATALYSTS	2025
8	The Editorial	JORGE NOE DIAZ DE LEON HERNANDEZ TRINO ARMANDO ZEPEDA PARTIDA Sara Nunez Correa	TOPICS IN CATALYSIS	2025
9	Editorial (Jun, 10.1007/s11244-025-02134-8, 2025)	JORGE NOE DIAZ DE LEON HERNANDEZ TRINO ARMANDO ZEPEDA PARTIDA Sara Nunez Correa	TOPICS IN CATALYSIS	2025
10	Sol-Gel ZrO <sub>2</sub> /TiO <sub>2</sub> Supports Modified with Gallium Cations to Prepare NiW HDS Catalysts	DAVID ALEJANDRO DOMINGUEZ VARGAS SERGIO FUENTES MOYADO JORGE NOE DIAZ DE LEON HERNANDEZ et al.	TOPICS IN CATALYSIS	2025
11	Dispersion of Sr and K Species Supported on CaO Eggshell-Based Catalysts for Biodiesel Production	JORGE NOE DIAZ DE LEON HERNANDEZ Olvera-Ureña E. Rodríguez J.A. et al.	TOPICS IN CATALYSIS	2025
12	Mesoporous pseudo-ordered alumina doped with yttrium as a support for NiW hydrodesulfurization catalysts	SERGIO FUENTES MOYADO GABRIELA ALICIA DIAZ GUERRERO DAVID ALEJANDRO DOMINGUEZ VARGAS et al.	APPLIED CATALYSIS A-GENERAL	2025
13	Enhanced hydrodesulfurization performance via 2D/2D MoS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> nanohybrid catalyst synthesized by thermal decomposition of (NH <sub>4</sub> ) <sub>2</sub> MoS <sub>4</sub>	JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ Cervantes J.A.M. et al.	JOURNAL OF MOLECULAR STRUCTURE	2025
14	Enhanced ruthenium utilization via succinamic acid-functionalized SiO <sub>2</sub> supports for efficient hydrogen storage in toluene-based LOHC systems	JORGE NOE DIAZ DE LEON HERNANDEZ Bustamante T.M. Bedoya S. et al.	APPLIED CATALYSIS A-GENERAL	2025
15	Bimetallic PtCu nanoparticles supported over CeO <sub>2</sub> nanorods as (photo)electrocatalysts for the methanol oxidation reaction	DIEGO DANIEL GONZALEZ ARAIZA JUAN MANUEL MORA HERNANDEZ JORGE NOE DIAZ DE LEON HERNANDEZ et al.	Surfaces And Interfaces	2025

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16	Carbon Nanotube-Supported Mo, Ni, and Co Nitrides as Stable Catalysts for Levulinic Acid Conversion: Influence of Metal?Nitrogen Interactions and Confinement Effects	JORGE NOE DIAZ DE LEON HERNANDEZ Pafian, I. Seguel, J. et al.	ChemistryOpen	2025
17	Facile one-pot synthesis of lithium metal nanoparticles for superior lithium-ion anode applications	JORGE NOE DIAZ DE LEON HERNANDEZ RUBEN DARIO CADENA NAVA Rodriguez J.R. et al.	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2024
18	Mechanochemical approach for the preparation of technical catalysts	JORGE NOE DIAZ DE LEON HERNANDEZ Acevedo-Córdoba L.F. Vargas-Montañez O.J. et al.	CATALYSIS TODAY	2024
19	Synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> core nanoparticles coated with TiO <sub>2</sub> and ZnO	JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO Duran-Toscano A.A. et al.	Nano-Structure s and Nano-Objects	2024
20	Edge-site selective decoration of silver nanoparticles on TiO <sub>2</sub> nanosheets for the rapid catalytic reduction of nitroarenes	JORGE NOE DIAZ DE LEON HERNANDEZ Shanmugaraj K. Campos C.H. et al.	Journal of Environmental Chemical Engineering	2024
21	Synthesis and Characterization of NiMoS/TiMg and NiWS/TiMg Nanocatalysts and Their Application in the Hydrodesulfurization of Dibenzothiophene	JORGE NOE DIAZ DE LEON HERNANDEZ Peña-Obeso P. Cervantes-Gaxiola M.E. et al.	TOPICS IN CATALYSIS	2024
22	Cobalt Nanoparticles Supported on TiO <sub>2</sub> for Highly Selective Formation of N-Benzylideneanilines from Nitroarenes and Benzaldehyde via Reductive Imination Reaction	JORGE NOE DIAZ DE LEON HERNANDEZ González-Vera D. Bustamante T.M. et al.	CATALYSTS	2024
23	The role of Ga and Y on binary Al <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> -Ga <sub>2</sub> O <sub>3</sub> mixed oxides nanoparticles towards potential Ni water-gas shift catalysts	ALFREDO SOLIS GARCIA SERGIO FUENTES MOYADO RODRIGO PONCE PEREZ et al.	Nano-Structure s and Nano-Objects	2024
24	Pd-Co bimetallic nanoparticles modified α-FeOOH nanorod for the catalytic reduction of organic pollutants	JORGE NOE DIAZ DE LEON HERNANDEZ Shanmugaraj K. Mangalaraja R.V. et al.	Journal of Environmental Chemical Engineering	2024
25	Direct obtaining of pure anatase TiO <sub>2</sub> nanostructures, characterization, size-tuning, and applications	DAVID ALEJANDRO DOMINGUEZ VARGAS URIEL CAUDILLO FLORES SERGIO FUENTES MOYADO et al.	Nano-Structure s and Nano-Objects	2024

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26	Palladium nanoparticles immobilized on TiO <sub>2</sub> nanosheets matrix for the valorization of furfural to produce tetrahydrofurfuryl alcohol	JORGE NOE DIAZ DE LEON HERNANDEZ Krishnamoorthy Shanmugaraj Santiago Bedoya et al.	Journal of Environmental Chemical Engineering	2024
27	VO Supported on Functionalized CNTs for Oxidative Conversion of Furfural to Maleic Anhydride	JORGE NOE DIAZ DE LEON HERNANDEZ Rodríguez P. Parra C. et al.	CATALYSTS	2024
28	A highly efficient and stable PtNi bimetallic nanoparticles modified on Mo <sub>2</sub> C decorated N-doped carbon flowers catalysts for the remediation of environmental pollutants	JORGE NOE DIAZ DE LEON HERNANDEZ Shanmugaraj K. Manikandan V. et al.	Journal of Environmental Chemical Engineering	2024
29	New hybrid adsorbent based on APTES functionalized zeolite W for lead and cadmium ions removal: Experimental and theoretical studies	JORGE NOE DIAZ DE LEON HERNANDEZ Abdellaoui Y. El Ibrahimy B. et al.	CHEMICAL ENGINEERING JOURNAL	2024
30	Metal oxide complexes as precursors of sulfide catalysts for HDS of DBT	GABRIEL ALONSO NUÑEZ JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO et al.	NEW JOURNAL OF CHEMISTRY	2024
31	Antibacterial nanocomposite of chitosan/silver nanocrystals/graphene oxide (ChAgG) development for its potential use in bioactive wound dressings	ELIZABETH CHAVIRA MARTINEZ RAFAEL HUIRACHE ACUÑA JORGE NOE DIAZ DE LEON HERNANDEZ et al.	SCIENTIFIC REPORTS	2023
32	Influence of precursor compounds on the structural and catalytic properties of CoNiMo/SBA-15 catalysts used in the hydrodesulfurization of dibenzothiophene	JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ et al.	Molecular Catalysis	2023
33	Cu-Ni bimetallic nanoparticles anchored on halloysite nanotubes for the environmental remediation	JORGE NOE DIAZ DE LEON HERNANDEZ Shanmugaraj K. Mangalaraja R.V. et al.	Surfaces And Interfaces	2023
34	NiMoS nanocubes for the selective removal of sulfur from 3-methyl-thiophene	JORGE NOE DIAZ DE LEON HERNANDEZ LEONARDO MORALES DE LA GARZA SERGIO FUENTES MOYADO et al.	APPLIED CATALYSIS A-GENERAL	2023
35	Noble metal nanoparticles supported on titanate nanotubes as catalysts for selective hydrogenation of nitroarenes	JORGE NOE DIAZ DE LEON HERNANDEZ Shanmugaraj K. Bustamante T.M. et al.	CATALYSIS TODAY	2022
36	Hydrothermal synthesis of bulk Ni impregnated WO <sub>3</sub> 2D layered structures as catalysts for the desulfurization of 3-methyl thiophene	GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO JORGE NOE DIAZ DE LEON HERNANDEZ et al.	Chemical Engineering Journal Advances	2022

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37	Exploring the CO <sub>2</sub> conversion into hydrocarbons via a photocatalytic process onto M-doped titanate nanotubes (M = Ni and Cu)	CHRISTIAN ALEJANDRO CELAYA LOPEZ MELISSA MENDEZ GALVAN JORGE NOE DIAZ DE LEON HERNANDEZ et al.	Fuel	2022
38	Effect of sulfidation conditions on the unsupported flower-like bimetallic oxide microspheres for the hydrodesulfurization of dibenzothiophene	JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO Chowdari R.K.	CATALYSIS TODAY	2022
39	Insight into alcohol transformation over binary Al <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> mixed oxide nanoparticles	DAVID ALEJANDRO DOMINGUEZ VARGAS OSCAR EDEL CONTRERAS LOPEZ SERGIO FUENTES MOYADO et al.	APPLIED CATALYSIS B-ENVIRONMEN TAL	2022
40	2,5-Dimethylfuran Production by Catalytic Hydrogenation of 5-Hydroxymethylfurfural Using Ni Supported on Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> -ZrO <sub>2</sub> Prepared by Sol-Gel Method: The Effect of Hydrogen Donors	JORGE NOE DIAZ DE LEON HERNANDEZ Jorge Cortez-Elizalde Gerardo E. Cordova-Perez et al.	Molecules	2022
41	Effect of crystal size on the acidity of nanometric Y zeolite: number of sites, strength, acid nature, and dehydration of 2-propanol	TRINO ARMANDO ZEPEDA PARTIDA GABRIEL ALONSO NUÑEZ JORGE NOE DIAZ DE LEON HERNANDEZ et al.	NEW JOURNAL OF CHEMISTRY	2022
42	Editorial	JORGE NOE DIAZ DE LEON HERNANDEZ Jose Guadalupe Pacheco Sosa Carolina Solis Maldonado	TOPICS IN CATALYSIS	2022
43	Anisole Hydrodeoxygenation: A Comparative Study of Ni/TiO <sub>2</sub> -ZrO <sub>2</sub> and Commercial TiO <sub>2</sub> Supported Ni and NiRu Catalysts	JORGE NOE DIAZ DE LEON HERNANDEZ R. Rios-Escobedo E. Ortiz-Santos et al.	TOPICS IN CATALYSIS	2022
44	Cobalt-Ceria Catalysts for the Methanol Decomposition: Insights in the Long-Term Stability and Methanol Interaction	DIEGO DANIEL GONZALEZ ARAIZA CHRISTIAN ALEJANDRO CELAYA LOPEZ LUCIANO ANTONIO GOMEZ CORTES et al.	TOPICS IN CATALYSIS	2022
45	Triblock Copolymer Effect During the Synthesis of ZrO <sub>2</sub> -TiO <sub>2</sub> Mixed Oxides Supports for NiW Hydrodesulfurization Catalysts	GABRIEL ALONSO NUÑEZ TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO et al.	TOPICS IN CATALYSIS	2022

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46	Ag substituted LaCoO <sub>3</sub> perovskites as precursors for the catalytic hydrogenation of levulinic acid	JORGE NOE DIAZ DE LEON HERNANDEZ Juan Seguel Ximena Cancino et al.	JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY	2022
47	Editorial	JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO et al.	CATALYSIS TODAY	2022
48	Study of supported bimetallic MoRe carbides catalysts for conversion	JORGE NOE DIAZ DE LEON HERNANDEZ Blanco E. García-Fierro J.L. et al.	CATALYSIS TODAY	2021
49	Conversion of levulinic acid using CuO/WO <sub>3</sub> (x)-Al <sub>2</sub> O <sub>3</sub> catalysts	JORGE NOE DIAZ DE LEON HERNANDEZ Mafokoane M. Seguel J. et al.	CATALYSIS TODAY	2021
50	Simple in situ functionalization of carbon nanospheres	JORGE NOE DIAZ DE LEON HERNANDEZ Gerardo Patino-Guillen Alan Arceta-Lozano et al.	Nanotechnology	2021
51	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
52	Effect of the Structural and Electronic Properties of Rh/CeXZr <sub>1-x</sub> O <sub>2</sub> Catalysts on the Low-temperature Ethanol Steam-reforming	JORGE NOE DIAZ DE LEON HERNANDEZ Oscar German Olvera Olmedo Victor Alejandro Suarez-Toriello et al.	Journal Of The Mexican Chemical Society	2021
53	Synthesis and characterization of metal oxides complexes with potential application in HDS reactions	GABRIEL ALONSO NUÑEZ JORGE NOE DIAZ DE LEON HERNANDEZ Amaya S.L. et al.	MATERIALS LETTERS	2021
54	The effect of shape and size of 1D and 0D titanium oxide nanorods in the photocatalytic degradation of red amaranth toxic dye	JORGE NOE DIAZ DE LEON HERNANDEZ DAVID ALEJANDRO DOMINGUEZ VARGAS JOSE MANUEL ROMO HERRERA et al.	Nano-Structure s and Nano-Objects	2021
55	Conversion of levulinic acid over Ag substituted LaCoO <sub>3</sub> perovskite	JORGE NOE DIAZ DE LEON HERNANDEZ Seguel J. Leal E. et al.	Fuel	2021
56	Facile synthesis of platinum and nickel sulfides supported in N-doped carbon nanotubes for oxygen reduction reaction	GABRIEL ALONSO NUÑEZ JORGE NOE DIAZ DE LEON HERNANDEZ Sigüenza Orozco A. et al.	MATERIALS LETTERS	2021
57	Hydrodesulfurization of dibenzothiophene using novel unsupported FeMoS catalysts prepared by in-situ activation from Fe (III)-containing thiomolybdate salts	GABRIEL ALONSO NUÑEZ JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO et al.	REACTION KINETICS MECHANISMS AND CATALYSIS	2021

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58	Template-free, facile synthesis of nickel promoted multi-walled MoS <sub>2</sub> & nano-bricks containing hierarchical MoS <sub>2</sub> nanotubes from the bulk NiMo oxide	JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO Ramesh Kumar Chowdari	APPLIED CATALYSIS B-ENVIRONMEN TAL	2021
59	Effect of Pt-Mn nanoparticles supported on CNT in methanol electro-oxidation reaction, experimental, and theoretical studies	JORGE NOE DIAZ DE LEON HERNANDEZ JOEL ANTUNEZ GARCIA TRINO ARMANDO ZEPEDA PARTIDA et al.	JOURNAL OF MATERIALS RESEARCH	2021
60	Fundamental Study of Catalytic Functionalities Involved in Effective C-O Cleavage over Ru-Supported Catalysts	JORGE NOE DIAZ DE LEON HERNANDEZ Omar U. Valdes-Martinez Carlos E. Santolalla et al.	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2021
61	Selective removal of sulfur from 3-methyl thiophene under mild conditions over NiW/Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> modified by surfactants	JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO et al.	CATALYSIS TODAY	2021
62	CoNiMo/Al <sub>2</sub> O <sub>3</sub> sulfide catalysts for dibenzothiophene hydrodesulfurization: Effect of the addition of small amounts of nickel	RAFAEL HUIRACHE ACUÑA JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO et al.	MICROPOROUS AND MESOPOROUS MATERIALS	2020
63	Unsupported CoNiMo sulfide hydrodesulfurization catalysts prepared by the thermal decomposition of trimetallic tetrabutylammonium thiomolybdate: effect of nickel on sulfur removal	RAFAEL HUIRACHE ACUÑA JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO et al.	REACTION KINETICS MECHANISMS AND CATALYSIS	2020
64	Noble metals supported on binary γ-Al <sub>2</sub> O <sub>3</sub> -α-Ga <sub>2</sub> O <sub>3</sub> oxide as potential low-temperature water-gas shift catalysts	JORGE NOE DIAZ DE LEON HERNANDEZ TRINO ARMANDO ZEPEDA PARTIDA DAVID ALEJANDRO DOMINGUEZ VARGAS et al.	Fuel	2020
65	Chemoselective nitroarene hydrogenation over Ni-Pd alloy supported on TiO <sub>2</sub> prepared from ilmenite-type PdNi <sub>1-x</sub> TiO <sub>3</sub>	JORGE NOE DIAZ DE LEON HERNANDEZ González-Vera D. Bustamante T.M. et al.	Materials Today Communicatio ns	2020
66	Effect of TiO <sub>2</sub> particle and pore size on DSSC efficiency	JORGE NOE DIAZ DE LEON HERNANDEZ JOSE MANUEL ROMO HERRERA V. A. Gonzalez-Verjan et al.	Materials For Renewable And Sustainable Energy	2020
67	Relevant aspects of the conversion of guaiacol as a model compound for bio-oil over supported molybdenum oxycarbide catalysts	JORGE NOE DIAZ DE LEON HERNANDEZ Elodie Blanco Diego A. Aguirre-Abarca et al.	NEW JOURNAL OF CHEMISTRY	2020

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68	Single step and template-free synthesis of Dandelion flower-like core-shell architectures of metal oxide microspheres: Influence of sulfidation on particle morphology & hydrodesulfurization performance	JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO Ramesh Kumar Chowdari	APPLIED CATALYSIS B-ENVIRONMEN TAL	2020
69	Green synthesis of silver nanoparticles using <i>Lysiloma acapulcensis</i> exhibit high-antimicrobial activity	HUGO ALEJANDRO BORBON NUÑEZ JORGE NOE DIAZ DE LEON HERNANDEZ YANIS TOLEDANO MAGAÑA et al.	SCIENTIFIC REPORTS	2020
70	Composites of Anthraquinone Dyes@HKUST-1 with Tunable Microstructuring: Experimental and Theoretical Interaction Studies	JORGE NOE DIAZ DE LEON HERNANDEZ Loera-Serna S. Flores J. et al.	CHEMISTRY-A EUROPEAN JOURNAL	2019
71	Recent insights in transition metal sulfide hydrodesulfurization catalysts for the production of ultra low sulfur diesel: A short review	JORGE NOE DIAZ DE LEON HERNANDEZ JOEL ANTUNEZ GARCIA SERGIO FUENTES MOYADO et al.	CATALYSTS	2019
72	ISOMORPHIC SUBSTITUTION OF Mg <sup>2+</sup> BY Al <sup>3+</sup> ON MgO: EFFECTS ON BASICITY, TEXTURAL PROPERTIES AND MICROSTRUCTURE	JORGE NOE DIAZ DE LEON HERNANDEZ DONALD HOMERO GALVAN MARTINEZ GABRIEL ALONSO NUÑEZ et al.	REVISTA MEXICANA DE INGENIERIA QUIMICA	2019
73	Catalytic dehydration of 2 propanol over Al <sub>2</sub> O <sub>3</sub> -Ga <sub>2</sub> O <sub>3</sub> and Pd/Al <sub>2</sub> O <sub>3</sub> -Ga <sub>2</sub> O <sub>3</sub> catalysts	JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO et al.	CATALYSIS TODAY	2019
74	Synergetic effect in Ru <sub>x</sub> Mo <sub>1-x</sub> S <sub>2</sub> /SBA-15 hydrodesulfurization catalysts: Comparative experimental and DFT studies	TRINO ARMANDO ZEPEDA PARTIDA DONALD HOMERO GALVAN MARTINEZ JORGE NOE DIAZ DE LEON HERNANDEZ et al.	APPLIED CATALYSIS B-ENVIRONMEN TAL	2019
75	Hydrodesulfurization activity of Ni-containing unsupported Ga <sub>x</sub> WS <sub>2</sub> catalysts	TRINO ARMANDO ZEPEDA PARTIDA JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ et al.	CATALYSIS COMMUNICATIO NS	2019
76	Synthesis of Aluminium Doped Na-Titanate Nanorods and Its Application as Potential CO <sub>2</sub> Hydrogenation Catalysts	DAVID ALEJANDRO DOMINGUEZ VARGAS TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO et al.	CATALYSIS LETTERS	2019
77	Effect of partial Mo substitution by W on HDS activity using sulfide CoMoW/Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> catalysts	JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ et al.	Fuel	2018

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78	Support effects of NiW hydrodesulfurization catalysts from experiments and DFT calculations	JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ TRINO ARMANDO ZEPEDA PARTIDA et al.	APPLIED CATALYSIS B-ENVIRONMENTAL	2018
79	Preparation and evaluation of NiCoMo hydrodesulfurization catalysts supported over a binary zeolite(beta)-KIT-6 siliceous material	JORGE NOE DIAZ DE LEON HERNANDEZ TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO et al.	REVISTA MEXICANA DE INGENIERIA QUIMICA	2018
80	Study of CoMo catalysts supported on hierarchical mesoporous zeolites for hydrodesulfurization of dibenzothiophene	JORGE NOE DIAZ DE LEON HERNANDEZ TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO et al.	REVISTA MEXICANA DE INGENIERIA QUIMICA	2017
81	Methanol electro-oxidation with alloy nanoparticles of Pt <sub>10-x</sub> -Fex supported on CNTs	TRINO ARMANDO ZEPEDA PARTIDA JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ et al.	Fuel	2016



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



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**LIBROS Y CAPITULOS CON ISBN**

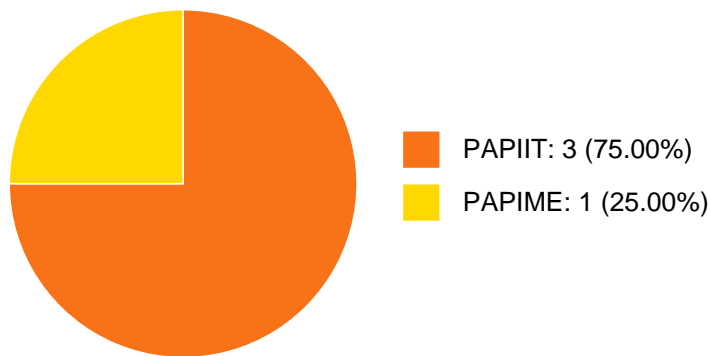
**No se encuentran registros en la base de datos de Humanindex asociados a:**

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**PARTICIPACIÓN EN PROYECTOS**

**Histórico de participación en proyectos**

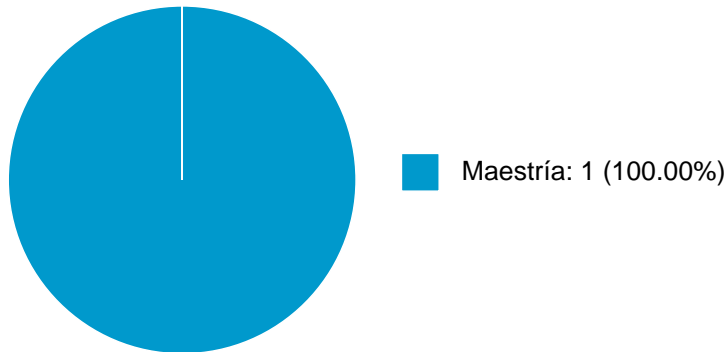


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Degradación de contaminantes industriales mediante estructuras semiconductoras ID	JORGE NOE DIAZ DE LEON HERNANDEZ	Recursos PAPIIT	01-02-2018	31-12-2020
2	Practicas de laboratorio enfocadas a la degradacion de contaminantes industriales mediante estructuras semiconductoras ID	DAVID ALEJANDRO DOMINGUEZ VARGAS JORGE NOE DIAZ DE LEON HERNANDEZ	Recursos PAPIME	01-02-2018	31-12-2018
3	Aprovechamiento de CO2 a través de su hidrogenación en olefinas de alto valor agregado sobre catalizadores de Fe, Pd soportados en nanoestructuras de óxidos mixtos Al-Ga y Al-Y	JORGE NOE DIAZ DE LEON HERNANDEZ	Recursos PAPIIT	01-01-2022	31-12-2023
4	Preparación de catalizadores a base de Pd, Zn, Ni y Cu soportados en nanopartículas de alúmina dopada para la producción de metano verde	JORGE NOE DIAZ DE LEON HERNANDEZ	Recursos PAPIIT	01-01-2025	31-12-2027

**JORGE NOE DIAZ DE LEON HERNANDEZ**

**PARTICIPACIÓN EN TESIS**

**Histórico de Colaboraciones en Tesis**

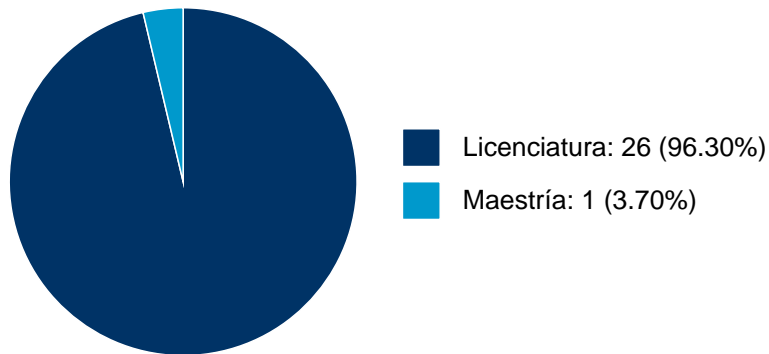


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Efecto del itrio en catalizadores NiW/Al <sub>2</sub> O <sub>3</sub> para reacciones de hidrodesulfuración	Tesis de Maestría	JORGE NOE DIAZ DE LEON HERNANDEZ,	Soto Arteaga, Carlos Eduardo,	Centro de Nanociencias y Nanotecnología en la UNAM,	2021

**JORGE NOE DIAZ DE LEON HERNANDEZ**

**DOCENCIA IMPARTIDA**

**Histórico de docencia**



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	CINETICA Y ADSORCION	Centro de Nanociencias y Nanotecnología en la UNAM	5	2025-2
2	Licenciatura	ESTANCIA DE INVESTIGACION	Centro de Nanociencias y Nanotecnología en la UNAM	4	2025-2
3	Licenciatura	CINETICA Y ADSORCION	Centro de Nanociencias y Nanotecnología en la UNAM	7	2024-2
4	Licenciatura	ESTANCIA DE INVESTIGACION	Centro de Nanociencias y Nanotecnología en la UNAM	6	2024-2
5	Licenciatura	CINETICA Y ADSORCION	Centro de Nanociencias y Nanotecnología en la UNAM	4	2023-2
6	Licenciatura	ESTANCIA DE INVESTIGACION	Centro de Nanociencias y Nanotecnología en la UNAM	5	2023-2
7	Licenciatura	CINETICA Y ADSORCION	Centro de Nanociencias y Nanotecnología en la UNAM	4	2022-2

**Reporte individual**

**JORGE NOE DIAZ DE LEON HERNANDEZ**

8	Licenciatura	ESTANCIA DE INVESTIGACION	Centro de Nanociencias y Nanotecnología en la UNAM	5	2022-2
9	Licenciatura	REACTORES CATALITICOS	Centro de Nanociencias y Nanotecnología en la UNAM	6	2022-1
10	Licenciatura	ESTANCIA DE INVESTIGACION	Centro de Nanociencias y Nanotecnología en la UNAM	4	2021-2
11	Licenciatura	CINETICA Y ADSORCION	Centro de Nanociencias y Nanotecnología en la UNAM	5	2021-2
12	Licenciatura	REACTORES CATALITICOS	Centro de Nanociencias y Nanotecnología en la UNAM	3	2021-1
13	Licenciatura	CINETICA Y ADSORCION	Centro de Nanociencias y Nanotecnología en la UNAM	3	2020-2
14	Licenciatura	ESTANCIA DE INVESTIGACION	Centro de Nanociencias y Nanotecnología en la UNAM	5	2020-2
15	Licenciatura	REACTORES CATALITICOS	Centro de Nanociencias y Nanotecnología en la UNAM	5	2020-1
16	Licenciatura	CINETICA Y ADSORCION	Centro de Nanociencias y Nanotecnología en la UNAM	6	2019-2
17	Licenciatura	ESTANCIA DE INVESTIGACION	Centro de Nanociencias y Nanotecnología en la UNAM	3	2019-2
18	Maestría	TÉCNICAS ESPECTROSCÓPICAS Y TÉRMICAS	Instituto de Investigaciones en Materiales	1	2019-2
19	Licenciatura	REACTORES CATALITICOS	Centro de Nanociencias y Nanotecnología en la UNAM	3	2019-1
20	Licenciatura	CINETICA Y ADSORCION	Centro de Nanociencias y Nanotecnología en la UNAM	3	2018-2
21	Licenciatura	ESTANCIA DE INVESTIGACION	Centro de Nanociencias y Nanotecnología en la UNAM	2	2018-2



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



**JORGE NOE DIAZ DE LEON HERNANDEZ**

22	Licenciatura	REACTORES CATALITICOS	Centro de Nanociencias y Nanotecnología en la UNAM	7	2018-1
23	Licenciatura	ESTANCIA DE INVESTIGACION	Centro de Nanociencias y Nanotecnología en la UNAM	3	2017-2
24	Licenciatura	CINETICA Y ADSORCION	Centro de Nanociencias y Nanotecnología en la UNAM	6	2017-2
25	Licenciatura	CINETICA Y ADSORCION	Centro de Nanociencias y Nanotecnología en la UNAM	4	2017-1
26	Licenciatura	QUIMICA AMBIENTAL-330046	Centro de Nanociencias y Nanotecnología en la UNAM	4	2016-2
27	Licenciatura	FISICOQUIMICA-329998	Centro de Nanociencias y Nanotecnología en la UNAM	5	2016-1



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



**JORGE NOE DIAZ DE LEON HERNANDEZ**

**PATENTES**

#	Título	Inventores	Sección	Año
1	CATALIZADORES SOPORTADOS PARA LA PRODUCCION DE COMBUSTIBLES DE ULTRA-BAJO AZUFRE.	SERGIO FUENTES MOYADO, ELENA SMOLENTSEVA, GABRIEL ALONSO NUÑEZ, et al.	CHEMISTRY; METALLURGYPERFORMING OPERATIONS; TRANSPORTING	2017

**JORGE NOE DIAZ DE LEON HERNANDEZ**

**FUENTES DE INFORMACIÓN**

**Internos**

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2026
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2026
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	2008-2026
9	Documentos Indexados	Thomson Reuters	WoS	2008-2026
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2026
11	Patentes	IMPI	SIGA	2008-2024