



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



JESUS MUÑIZ SORIA

Datos Generales

Nombre: JESUS MUÑIZ SORIA

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 9 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
Instituto de Energías Renovables
Desde 16-10-2025

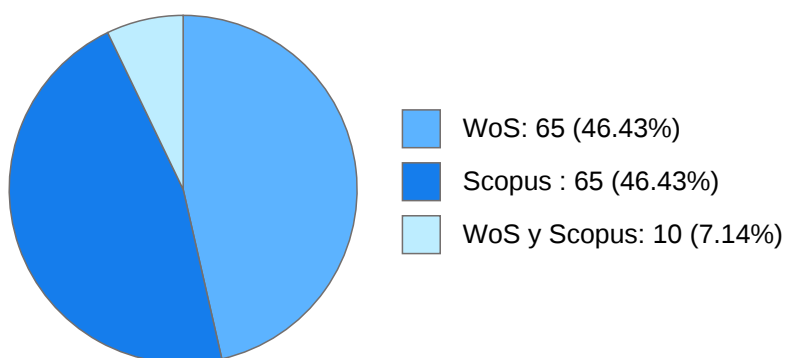
Estímulos, programas, premios y reconocimientos

SNI II 2023 - VIGENTE
SNI I 2013 - 2022
PRIDE C 2024
EQUIVALENCIA PRIDE B 2018 - 2023

JESUS MUÑIZ SORIA

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Exploring PtAg onto silanized biogenic silica as an electrocatalyst for H ₂ evolution: A combined experimental and theoretical investigation	NAVEEN KUMAR REDDY BOGIREDDY CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA et al.	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2025
2	Green synthesis of glycolic acid through the electrocatalytic reduction of oxalic acid over black TiO ₂ : An experimental and theoretical study	HUGO OLVERA VARGAS OSCAR ANDRES JARAMILLO QUINTERO CHRISTIAN ALEJANDRO CELAYA LOPEZ et al.	JOURNAL OF ENERGY CHEMISTRY	2025
3	Tailoring aqueous electrolytes based on M = Li, Na and K for the α-MnO ₂ electrode and its applications for energy storage devices: A DFT approach	CORNELIO DELESMA DIAZ CHRISTIAN ALEJANDRO CELAYA LOPEZ LUIS ENRIQUE SANSORES CUEVAS et al.	APPLIED SURFACE SCIENCE	2025
4	Exploring contaminants and analyte adsorption on functionalized porous silicon: Insights from a combined theoretical and experimental approach	CHRISTIAN ALEJANDRO CELAYA LOPEZ ANGEL MANUEL GOMEZ CORONEL JESUS MUÑIZ SORIA et al.	Surfaces And Interfaces	2025
5	Experimental and theoretical approaches to unveil the interaction mechanisms of carbon dots with 4-nitrophenol	NAVEEN KUMAR REDDY BOGIREDDY CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA et al.	JOURNAL OF HAZARDOUS MATERIALS	2025

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6	Apatite-based materials for low concentration CO ₂ adsorption	JESUS MUÑIZ SORIA Bouharras F.E. Said H.A. et al.	Journal of Environmental Chemical Engineering	2025
7	Eco-friendly catalyst design: Transforming volcanic lava ashes into sustainable synthesis of glycerol carbonate from glycerol in one pot solvent-free route	CORNELIO DELESMA DIAZ JESUS MUÑIZ SORIA UGOCHUKWU PATRICK OKOYE et al.	Journal of Environmental Chemical Engineering	2025
8	Unraveling the trade-off: Enhanced photocatalytic H ₂ production vs. degradation in ZnS hybrids under prolonged UV-sonication	LORENA CEREZO DURAN AGILEO HERNANDEZ GORDILLO MONSERRAT BIZARRO SORDO et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2025
9	Insights into the mobility of rare earth complexes in groundwater-rock interactions: A geochemical view from modeling of computational chemistry	GUSTAVO SANTOS RAGA EDGAR ROLANDO SANTOYO GUTIERREZ FERNANDO JAVIER GUERRERO MARTINEZ et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2025
10	Exploring electron transport at the interface of MnO ₂ /carbon nanostructures for energy storage applications: A quantum chemistry approach	CORNELIO DELESMA DIAZ CHRISTIAN ALEJANDRO CELAYA LOPEZ ANA KARINA CUENTAS GALLEGOS et al.	APPLIED SURFACE SCIENCE	2025
11	Understanding pseudocapacitance and the SO ₃ ²⁻ reduction mechanism on Fe ₃ O ₄ electrode surface: A combined theoretical and experimental study	CHRISTIAN ALEJANDRO CELAYA LOPEZ CORNELIO DELESMA DIAZ JAVIER ALONSO LOPEZ MEDINA et al.	ELECTROCHIMICA ACTA	2025
12	Exploring the potential of porphyrin-based materials for organic solar cells supported on carbon: A quantum chemistry approach	CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA Guillén-López A. et al.	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	2024
13	Unveiling the structural behavior of bimetallic AuCu/TiO ₂ catalysts in the CO oxidation: A combined in-situ spectroscopic and theoretical study	DIEGO DANIEL GONZALEZ ARAIZA CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA et al.	CHEMICAL ENGINEERING JOURNAL	2024
14	First principles study on the potential of functionalized porous silicon to capture adverse agents to human health: The role played by the interface interactions	CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA T. G. Díaz-Rodríguez	BIOPHYSICAL CHEMISTRY	2023
15	Understanding Li interaction in TiO ₂ /graphene composites for high-performance Li-ion battery anodes: A first principles study	CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA EI Hachimi A.G. et al.	PHYSICAL B-CONDENSED MATTER	2023

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16	Understanding the role of porosity in carbon monolayers for their use as anode material for Li-ion batteries: A first principle study	CHRISTIAN ALEJANDRO CELAYA LOPEZ ANA KARINA CUENTAS GALLEGOS JESUS MUÑIZ SORIA	APPLIED SURFACE SCIENCE	2023
17	The influence of tungsten oxide concentration on a carbon surface for capacitance improvement in energy storage devices: A combined experimental and theoretical study	ANA KARINA CUENTAS GALLEGOS NELLY RAYON LOPEZ MIGUEL ROBLES PEREZ et al.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2022
18	A dynamic reconfiguration method based on neuro-fuzzy control algorithm for partially shaded PV arrays	JESUS MUÑIZ SORIA Solis-Cisneros H.I. Sevilla-Camacho P.Y. et al.	Sustainable Energy Technologies and Assessments	2022
19	The anthocyanin's role on the food metabolic pathways, color and drying processes: An experimental and theoretical approach	CORNELIO DELESMA DIAZ JESUS MUÑIZ SORIA ANABEL LOPEZ ORTIZ et al.	Food Bioscience	2022
20	Exploring the CO ₂ 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
21	Tailoring nanostructured materials based on γ -graphyne monolayers modified with Au heteroatoms for application in energy storage devices: A first principle study	CHRISTIAN ALEJANDRO CELAYA LOPEZ LUIS ENRIQUE SANSORES CUEVAS JESUS MUÑIZ SORIA et al.	APPLIED SURFACE SCIENCE	2022
22	Electronic transport in organic photovoltaic materials subjected to dark and light irradiation conditions: A first principles study	CORNELIO DELESMA DIAZ CARLOS AMADOR BEDOLLA MIGUEL ROBLES PEREZ et al.	JOURNAL OF PHOTOCHEMIST RY AND PHOTOBIOLOGY A-CHEMISTRY	2022
23	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
24	The Role of Cobalt Clusters (Co-n, n = 1-5) Supported on Defective gamma-Graphyne for Efficient Hydrogen Adsorption: A First Principles Study	CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA ROBERTO RENE SALCEDO PINTOS et al.	Advanced Theory and Simulations	2022

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25	Understanding the heterogeneous catalytic mechanisms of glycerol carbonate synthesis on oil palm ash surface: A density functional theory approach	UGOCHUKWU PATRICK OKOYE ADRIANA MARGARITA LONGORIA HERNANDEZ JESUS MUÑIZ SORIA et al.	Fuel	2022
26	Understanding hydroxyl radicals addition to CO ₂ on α-Fe ₂ O ₃ (110) surface photocatalyst for organic compounds production	CHRISTIAN ALEJANDRO CELAYA LOPEZ OSCAR ANDRES JARAMILLO QUINTERO HUGO ALBERTO LARA GARCIA et al.	Fuel	2022
27	Integration of Nitrogen-Doped Graphene Oxide Dots with Au Nanoparticles for Enhanced Electrocatalytic Hydrogen Evolution	JESUS MUÑIZ SORIA Naveen Kumar Reddy Bogireddy Abdel Ghafour El Hachimi et al.	Acs Applied Nano Materials	2021
28	Understanding the interaction between heteroatom-doped carbon matrix and Sb ₂ S ₃ for efficient sodium-ion battery anodes	OSCAR ANDRES JARAMILLO QUINTERO MARINA ELIZABETH RINCON GONZALEZ JESUS MUÑIZ SORIA et al.	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2021
29	Photoisomerization and its effect in the opto-electronic properties of organic photovoltaic materials: A quantum chemistry study	CARLOS AMADOR BEDOLLA MIGUEL ROBLES PEREZ JESUS MUÑIZ SORIA et al.	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	2021
30	Surfactant free solvothermal synthesis of Cu ₃ BiS ₃ nanoparticles and the study of band alignments with n-type window layers for applications in solar cells: Experimental and theoretical approach	MARTHA VIRIDIANA MORALES GALLARDO XAVIER MATHEW JESUS MUÑIZ SORIA et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2021
31	Electronic structure data at ground and excited state of the structural and opto-electronic properties of organic photovoltaic materials	CARLOS AMADOR BEDOLLA MIGUEL ROBLES PEREZ JESUS MUÑIZ SORIA et al.	Data in Brief	2021
32	Tuning the band gap of M-doped titanate nanotubes (M = Fe, Co, Ni, and Cu): an experimental and theoretical study	MELISSA MENDEZ GALVAN CHRISTIAN ALEJANDRO CELAYA LOPEZ OSCAR ANDRES JARAMILLO QUINTERO et al.	Nanoscale Advances	2021
33	Effect of oxygen based functional groups on the nucleation of TiO ₂ by atomic layer deposition: A theoretical and experimental study	HUGO ALEJANDRO BORBON NUÑEZ JESUS MUÑIZ SORIA DAVID ALEJANDRO DOMINGUEZ VARGAS et al.	MATERIALS CHEMISTRY AND PHYSICS	2021
34	C-36 and C35E (E=N and B) Fullerenes as Potential Nanovehicles for Neuroprotective Drugs: A Comparative DFT Study	MIGUEL REINA TAPIA CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA	Chemistryselect	2021

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35	Residue of Corncob Gasification as Electrode of Supercapacitors: An Experimental and Theoretical Study	JESUS MUÑIZ SORIA Diana C. Martinez-Casillas Ivan Mascorro-Gutierrez et al.	WASTE AND BIOMASS VALORIZATION	2021
36	Theoretical study of Au-20/WS2 composite material as a potential candidate for the capture of XO (X=C, N, S) gases	CHRISTIAN ALEJANDRO CELAYA LOPEZ MIGUEL REINA TAPIA JESUS MUÑIZ SORIA et al.	Computational Condensed Matter	2021
37	Biosynthesis of cuprous oxide using banana pulp waste extract as reducing agent	ODIN REYES VALLEJO JESUS MUÑIZ SORIA LAURA GABRIELA VARGAS ESTRADA et al.	Fuel	2021
38	Understanding CO2 conversion into hydrocarbons via a photoreductive process supported on the Cu2O(100), (110) and (111) surface facets: A first principles study	CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA Delesma C. et al.	Fuel	2021
39	Exploring the enhanced performance of Sb2S3/doped-carbon composites as potential anode materials for sodium-ion batteries: A density functional theory approach	OSCAR ANDRES JARAMILLO QUINTERO MARINA ELIZABETH RINCON GONZALEZ JESUS MUÑIZ SORIA et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2021
40	Unveiling the electronic structure nature of twisted hybrid perovskites for solar cell applications: A combined experimental and theoretical study	CHRISTIAN ALEJANDRO CELAYA LOPEZ OSCAR ANDRES JARAMILLO QUINTERO JESUS MUÑIZ SORIA et al.	SOLAR ENERGY	2021
41	Exploring the potential of graphene oxide as a functional material to produce hydrocarbons via photocatalysis: Theory meets experiment	CHRISTIAN ALEJANDRO CELAYA LOPEZ PATRICIO JAVIER VALADES PELAYO OSCAR ANDRES JARAMILLO QUINTERO et al.	Fuel	2020
42	Dynamic Instability of a Wind Turbine Blade Due to Large Deflections: An Experimental Validation	JESUS MUÑIZ SORIA Andres Lopez-Lopez Jose Billerman Robles-Ocampo et al.	STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING	2020
43	Understanding the drying kinetics of phenolic compounds in strawberries: An experimental and density functional theory study	ANABEL LOPEZ ORTIZ JESUS MUÑIZ SORIA Méndez-Lagunas L.L. et al.	INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES	2020
44	Cn and Cn-1B Fullerenes as Potential Nanovehicles for Piribedil Neuroprotective Drug (n=20, 36 and 60)	MIGUEL REINA TAPIA CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA	Chemistryselec t	2019

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45	Theoretical study on the electronic structure nature of single and double walled carbon nanotubes and its role on the electron transport	JESUS MUÑIZ SORIA Espinosa-Torres N.D. Guillén-López A. et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2019
46	Insights into the design of carbon electrodes coming from lignocellulosic components pyrolysis with potential application in energy storage devices: A combined in silico and experimental study	JESUS MUÑIZ SORIA ADRIANA MARGARITA LONGORIA HERNANDEZ ANA KARINA CUENTAS GALLEGOS et al.	JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS	2019
47	Approaches on the understanding of nanoporous carbon reactivity with polyatomic ions	CRISTINA ROMERO RANGEL LUIS MARTIN MEJIA MENDOZA MIGUEL ROBLES PEREZ et al.	APPLIED SURFACE SCIENCE	2019
48	Structure, stability, and electronic structure properties of quasi-fullerenes C _{n-q} (n=?42, 48 and 60) doped with transition metal atoms (M=?Sc, Ti, V and Cr): A Density Functional Theory study	CHRISTIAN ALEJANDRO CELAYA LOPEZ JESUS MUÑIZ SORIA LUIS ENRIQUE SANSORES CUEVAS	COMPUTATIONAL AND THEORETICAL CHEMISTRY	2019
49	Geometrical structure data of nanoporous carbon systems obtained from computer simulated pyrolysis	JESUS MUÑIZ SORIA ADRIANA MARGARITA LONGORIA HERNANDEZ ANA KARINA CUENTAS GALLEGOS et al.	Data in Brief	2019
50	Understanding structure of small TiO ₂ nanoparticles and adsorption mechanisms of PbS quantum dots for solid-state applications: a combined theoretical and experimental study	JESUS MUÑIZ SORIA Díaz-Rodríguez T.G. Pacio M. et al.	THEORETICAL CHEMISTRY ACCOUNTS	2019
51	A Novel Fault Detection and Location Method for PV Arrays Based on Frequency Analysis	JESUS MUÑIZ SORIA Sevilla-Camacho P.-Y. Zuniga-Reyes M.-A. et al.	IEEE ACCESS	2019
52	Theoretical Study of the Electronic Structure and Stability of Titanium Dioxide Clusters (TiO ₂) _n with n=18, 28, and 38	JESUS MUÑIZ SORIA T. G. Diaz Rodriguez G. Stephania Anaya Gonzalez et al.	ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES	2018
53	Electronic structure and nonlinear optical properties of organic photovoltaic systems with potential applications on solar cell devices: a DFT approach	CARLOS AMADOR BEDOLLA MIGUEL ROBLES PEREZ JESUS MUÑIZ SORIA et al.	THEORETICAL CHEMISTRY ACCOUNTS	2018
54	Are Small Quasi-Fullerenes Capable of Encapsulating Trimetallic Nitrides A ₃ -xB _x N (A, B =Sc, Y, La, x=0-3)? A DFT Study	CHRISTIAN ALEJANDRO CELAYA LOPEZ MIGUEL REINA TAPIA JESUS MUÑIZ SORIA et al.	Chemistryselect	2018

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55	First principles study on the electronic structure properties of Keggin polyoxometalates on Carbon substrates for solid-state devices	JESUS MUÑIZ SORIA ANA KARINA CUENTAS GALLEGOS LUIS MARTIN MEJIA MENDOZA et al.	THEORETICAL CHEMISTRY ACCOUNTS	2017
56	Theoretical study on the electronic structure properties of a PbS quantum dot adsorbed on TiO ₂ substrates and their role on solid-state devices	JESUS MUÑIZ SORIA Diaz Rodriguez, T. G. Reyes-Nava, J. A. et al.	COMPUTATIONAL AND THEORETICAL CHEMISTRY	2017
57	Rainfall variability, rainfed agriculture and degree of human marginality in North Guanajuato, Mexico	JESUS MUÑIZ SORIA Granados, Rebeca Cortina, Moises	SINGAPORE JOURNAL OF TROPICAL GEOGRAPHY	2017
58	Density Functional study on the transesterification of triacetin assisted by cooperative weak interactions via a gold heterogeneous catalyst: Insights into biodiesel production mechanisms	JOSEPH SEBASTIAN PATHIYAMATTOM JESUS MUÑIZ SORIA Delesma, Cornelio et al.	Fuel	2017
59	A theoretical approach to the nanoporous phase diagram of carbon	LUIS MARTIN MEJIA MENDOZA MAXIMILIANO VALDEZ GONZALEZ JESUS MUÑIZ SORIA et al.	Carbon	2017
60	Bond formation, electronic structure, and energy storage properties on polyoxometalate-carbon nanocomposites	JESUS MUÑIZ SORIA ANA KARINA CUENTAS GALLEGOS MIGUEL ROBLES PEREZ et al.	THEORETICAL CHEMISTRY ACCOUNTS	2016
61	Density functional theory study of the reactivity and electronic structure of the transesterification of triacetin in biodiesel production via a sulfated zirconia heterogeneous catalysis	JESUS MUÑIZ SORIA LUIS ENRIQUE SANSORES CUEVAS Castillo, Roger et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2016
62	The role of the oxide shell on the stability and energy storage properties of MWCNT@TiO nanohybrid materials used in Li-ion batteries	JESUS MUÑIZ SORIA MARINA ELIZABETH RINCON GONZALEZ PROSPERO ACEVEDO PEÑA	THEORETICAL CHEMISTRY ACCOUNTS	2016
63	Theoretical study of Au(I)-Ag(I) metallophilic attractions and luminescence of [Au-2(carb)(2)Ag(mu-3,5-Ph(2)pz)] (with Ph = phenyl, pz = pyrazolate) and [Au(im)CH3(pz)Ag-2(mu-3,	JESUS MUÑIZ SORIA LUIS ENRIQUE SANSORES CUEVAS ANETTE IRLANDA ROJANO ROSALES et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	2009
64	Theoretical study on the series of [Au3Cl3M2] complexes, with M = Li, Na, K, Rb, Cs	JESUS MUÑIZ SORIA LUIS ENRIQUE SANSORES CUEVAS ANA MARIA MARTINEZ VAZQUEZ et al.	JOURNAL OF MOLECULAR MODELING	2009

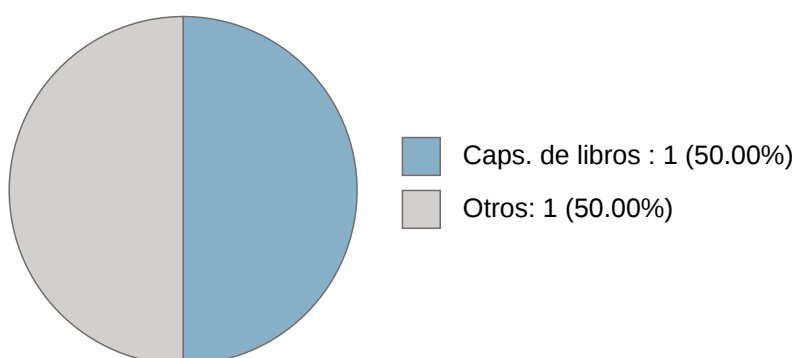
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65	Theoretical study of the novel sandwich compound $[\text{Au}_3\text{Cl}_3\text{Tr}_2](2+)$	JESUS MUÑIZ SORIA LUIS ENRIQUE SANSORES CUEVAS ROBERTO RENE SALCEDO PINTOS et al.	JOURNAL OF MOLECULAR MODELING	2008
66	Electronic analysis of vanadium and iron complexes containing distorted aromatic rings	IRINEO PEDRO ZARAGOZA RIVERA ROBERTO RENE SALCEDO PINTOS ULISES MIRANDA ORDOÑEZ et al.	JOURNAL OF MOLECULAR MODELING	2008

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



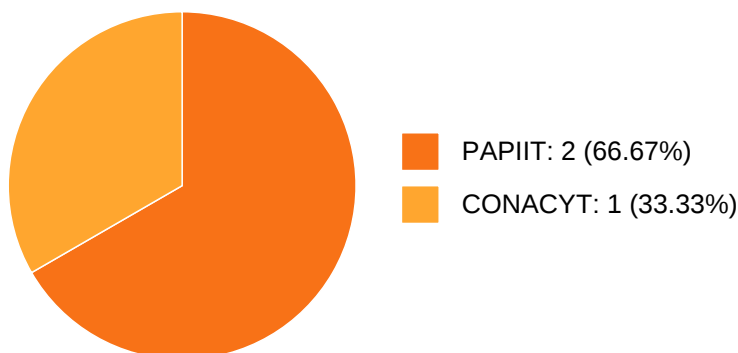
#	Título	Autores	Alcance	Año	ISBN
1	Lignin-Derived Materials for Supercapacitors	JESUS MUÑIZ SORIA ANA KARINA CUENTAS GALLEGOS MIGUEL ROBLES PEREZ et al.	Capítulo de un Libro	2021	9783527824779
2	Nanocarbons as electrode material for energy storage devices: Correlations between theory and experiment	JESUS MUÑIZ SORIA ANA KARINA CUENTAS GALLEGOS MIGUEL ROBLES PEREZ et al.	Article	2019	9780081025093

Reporte individual

JESUS MUÑIZ SORIA

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Diseño in silico de electrodos de materiales nanocompuestos carbón/óxido metálico con potencial aplicación en dispositivos de almacenamiento de energía.	JESUS MUÑIZ SORIA	Recursos CONACYT	27-09-2019	30-11-2022
2	Estudio teórico de la difusión electrónica en la interfaz perovskita/carbono para aplicaciones en dispositivos compuestos de conversión y almacenamiento de energía.	JESUS MUÑIZ SORIA	Recursos PAPIIT	01-01-2020	31-12-2021
3	Develando los mecanismos de interacción y transferencia electrónica en compuestos perovskita/carbón para aplicaciones en materiales de generación y almacenamiento de energía	JESUS MUÑIZ SORIA	Recursos PAPIIT	01-01-2022	31-12-2024



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JESUS MUÑIZ SORIA

PARTICIPACIÓN EN TESIS

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

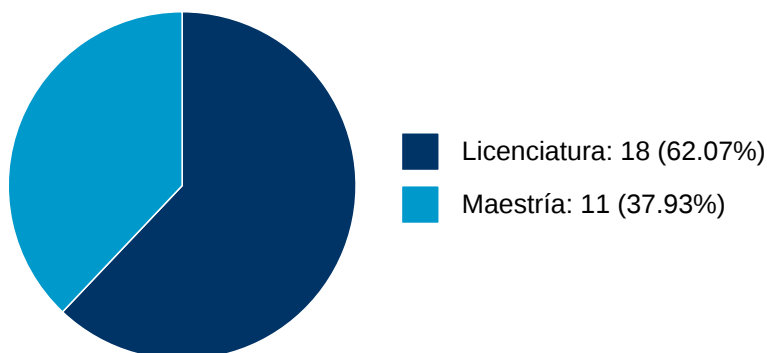
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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	METODOS NUMERICOS	Centro de Investigación en Energía	12	2025-1
2	Licenciatura	METODOS NUMERICOS	Centro de Investigación en Energía	17	2024-1
3	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES METODOS DE ESTRUCTURA ELECTRONICA Y ENERGIAS RENOVABLES	Centro de Investigación en Energía	0	2023-2
4	Licenciatura	METODOS NUMERICOS	Centro de Investigación en Energía	13	2023-1
5	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES	Centro de Investigación en Energía	0	2022-2
6	Licenciatura	METODOS NUMERICOS	Centro de Investigación en Energía	21	2022-1
7	Maestría	TEMAS SELECTOS DE SISTEMAS ENERGÉTICOS METODOS DE ESTRUCTURA ELECTRONICA Y ENERGIAS RENOVABLES	Centro de Investigación en Energía	2	2021-2
8	Licenciatura	TEMAS SELEC. TECNOL.ENERG.RENOVABL.	Centro de Investigación en Energía	6	2021-1
9	Licenciatura	METODOS NUMERICOS	Centro de Investigación en Energía	28	2021-1
10	Licenciatura	MACROMOLEC.EN ENERGIAS RENOVABLES	Centro de Investigación en Energía	1	2020-2
11	Licenciatura	FISICA COMPUTACIONAL	Facultad de Ciencias	2	2020-1

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12	Licenciatura	TEMAS SELEC. TECNOL.ENERG.RENOVABL.	Centro de Investigación en Energía	3	2020-1
13	Licenciatura	METODOS NUMERICOS	Centro de Investigación en Energía	29	2020-1
14	Licenciatura	SEMINARIO DE TITULACION	Centro de Investigación en Energía	1	2020-1
15	Maestría	TEMAS SELECTOS DE SISTEMAS ENERGÉTICOS ESTADO SÓLIDO COMPUTACIONAL	Instituto de Energías Renovables	1	2019-2
16	Licenciatura	MACROMOLEC.EN ENERGIAS RENOVABLES	Centro de Investigación en Energía	2	2019-1
17	Licenciatura	METODOS NUMERICOS	Centro de Investigación en Energía	21	2019-1
18	Maestría	ACTIVIDADES ACADEMICAS ORIENTADAS A LA GRADUACION	Instituto de Energías Renovables	1	2018-2
19	Licenciatura	METODOS NUMERICOS	Centro de Investigación en Energía	28	2018-1
20	Maestría	PROYECTO DE INVESTIGACION II	Instituto de Energías Renovables	1	2018-1
21	Maestría	PROYECTO DE INVESTIGACION III	Instituto de Energías Renovables	1	2018-1
22	Maestría	TEMAS SELECTOS DE SISTEMAS ENERGETICOS,INTRODUCCION A LA TEORIA DE FUNCIONALES DE LA DENSIDAD APLICADA A MATERIALES ENERGETICOS	Instituto de Energías Renovables	1	2018-1
23	Maestría	SESIÓN DE TUTORÍA II	Instituto de Energías Renovables	7	2017-2
24	Maestría	TEMAS SELECTOS DE SISTEMAS ENERGÉTICOS ESTADO SOLIDO COMPUTACIONAL	Instituto de Energías Renovables	1	2017-2
25	Licenciatura	METODOS NUMERICOS	Centro de Investigación en Energía	24	2017-1
26	Licenciatura	MECANICA-332545	Instituto de Energías Renovables	26	2016-2
27	Maestría	SESION DE TUTORIA II	Instituto de Energías Renovables	11	2016-1
28	Licenciatura	MECANICA	Instituto de Energías Renovables	25	2015-2
29	Licenciatura	FISICA	Facultad de Ciencias	19	2009-1



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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	2008-2025
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