



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



PROSPERO ACEVEDO PEÑA

Datos Generales

Nombre: PROSPERO ACEVEDO PEÑA

Máximo nivel de estudios:

Antigüedad académica en la UNAM: años, meses, días

Nombramientos

Último: OTROS POSDOCTOR POSDOCTOR TC No Definitivo
Instituto de Energías Renovables
Desde 01-09-2013 hasta 31-08-2015

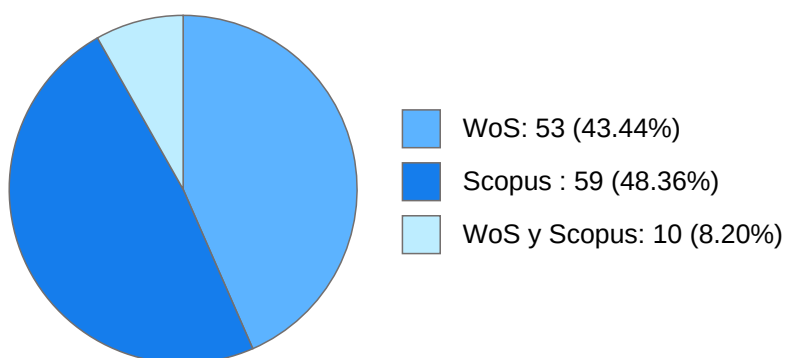
Estímulos, programas, premios y reconocimientos

SNI II 2022 - 2023
SNI I 2015 - 2021

PROSPERO ACEVEDO PEÑA

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Impact of morphology and crystalline structure over the Zn ²⁺ ions storage in two-step solvothermal derived VO ₂	PROSPERO ACEVEDO PEÑA AGILEO HERNANDEZ GORDILLO Ramírez-Campos G. et al.	CERAMICS INTERNATIONAL	2024
2	Mixed cobalt/zinc hexacyanoferrate hollow micro-cubes for a high-voltage hybrid supercapacitor	PROSPERO ACEVEDO PEÑA Villalva-Mejorada D.I. Leyva-Porras C. et al.	INTERNATIONAL JOURNAL OF ENERGY RESEARCH	2022
3	2022 Roadmap on aqueous batteries	PROSPERO ACEVEDO PEÑA Wu D. Li X. et al.	Journal Of Physics-Energy	2022
4	Increasing the H ₂ production rate of ZnS(en)(x) hybrid and ZnS film by photoexfoliation process	MONSERRAT BIZARRO SORDO SANDRA ELIZABETH RODIL POSADA AGILEO HERNANDEZ GORDILLO et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2022
5	Recent progress in transition metal hexacyanomethylates: From structure to properties and functionality	PROSPERO ACEVEDO PEÑA Avila Y. Reguera L. et al.	COORDINATION CHEMISTRY REVIEWS	2022
6	Unraveling the Fe ₃ O ₄ NPs role in self-assembled magnetic zinc oxide nanorods for methylene blue photodegradation	PROSPERO ACEVEDO PEÑA López Y.C. Ortega G.A. et al.	JOURNAL OF PHOTOCHEMIST RY AND PHOTOBIOLOGY A-CHEMISTRY	2021

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7	Transition metal-based metal?organic frameworks for environmental applications: a review	PROSPERO ACEVEDO PEÑA López Y.C. Viltres H. et al.	ENVIRON CHEM LETT	2021
8	Pseudocapacitive Mn-Co mixed oxides obtained by thermal decomposition of manganese hexacyanocobaltate in presence of carbon structures	AGILEO HERNANDEZ GORDILLO PROSPERO ACEVEDO PEÑA Vazquez-Samperio J. et al.	ELECTROCHIMICA ACTA	2021
9	Incorporation of heteroatoms into reticulated vitreous carbon foams derived from sucrose to improve its energy storage performance	PROSPERO ACEVEDO PEÑA Vazquez-Samperio J. Guzmán-Vargas A. et al.	INTERNATIONAL JOURNAL OF ENERGY RESEARCH	2021
10	Growth of cobalt hexacyanoferrate particles through electrodeposition and chemical etching of cobalt precursors on reticulated vitreous carbon foams for Na-ion electrochemical storage	PROSPERO ACEVEDO PEÑA Calixto-Lozada O. Vazquez-Samperio J. et al.	SOLID STATE SCIENCES	2021
11	Enhancing the photocatalytic hydrogen production of the ZnO-TiO ₂ heterojunction by supporting nanoscale Au islands	PROSPERO ACEVEDO PEÑA RODOLFO ZANELLA SPECIA David Ramirez-Ortega et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2021
12	Photoelectrochemical Performance of S,N-Codoped TiO ₂ Films Supported on Ti and their Enhanced Photoelectrocatalytic Activity in the Generation of Hydroxyl Radicals	PROSPERO ACEVEDO PEÑA Jaramillo-Gutiérrez M.I. Reguera E. et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2020
13	Dependence of the photoactivity of CdS prepared in butanol-ethylenediamine mixture in function of different sacrificial electron donors	AGILEO HERNANDEZ GORDILLO PROSPERO ACEVEDO PEÑA SANDRA ELIZABETH RODIL POSADA et al.	CATALYSIS TODAY	2020
14	Ag ₂ O/TiO ₂ nanostructures for the photocatalytic mineralization of the highly recalcitrant pollutant iopromide in pure and tap water	JUAN CARLOS DURAN ALVAREZ VERONICA HERNANDEZ MORALES FELIPE FRANCISCO CASTILLON BARRAZA et al.	CATALYSIS TODAY	2020
15	Fast kinetic redox process in layered cobaltous terephthalate MOF-type for aqueous hybrid devices. Magnetic properties as sensor of Co ²⁺ /Co interactions	PROSPERO ACEVEDO PEÑA Vazquez-Samperio J. González M M. et al.	ELECTROCHIMICA ACTA	2020
16	Impact of TiO ₂ layer formed on Cu _x S Films on the Photoelectrochemical Water Reduction Process	PROSPERO ACEVEDO PEÑA León-Luna M.Á. Reguera E.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2020

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17	Effect of Pd and Cu co-catalyst on the charge carrier trapping, recombination and transfer during photocatalytic hydrogen evolution over WO ₃ -TiO ₂ heterojunction	PROSPERO ACEVEDO PEÑA RODOLFO ZANELLA SPECIA David Ramirez-Ortega et al.	JOURNAL OF MATERIALS SCIENCE	2020
18	Sucrose-based reticulated vitreous carbon foams and their modification with nickel hexacyanoferrate for energy storage applications	PROSPERO ACEVEDO PEÑA Vazquez-Samperio J. Guzmán-Vargas A. et al.	DIAMOND AND RELATED MATERIALS	2020
19	Breaking Out the Traditional Polymerization: Tailoring the Shape, Structure, and Optical Properties of Polydopamine by Using CdTe Quantum Dots	PROSPERO ACEVEDO PEÑA Ortega G.A. Zuaznabar-Gardona J.C. et al.	MACROMOLECULAR CHEMISTRY AND PHYSICS	2019
20	Cationic and anionic modification of CdS thin films by surface chemical treatment	ALEJANDRO BARAY CALDERON PROSPERO ACEVEDO PEÑA MA. CONCEPCION ARENAS ARROCENA et al.	APPLIED SURFACE SCIENCE	2019
21	Influence of ZnS wurtzite/sphalerite junctions on ZnO Core -ZnS Shell -1D photocatalysts for H ₂ production	AGILEO HERNANDEZ GORDILLO PROSPERO ACEVEDO PEÑA Mendoza-Damián G. et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2019
22	Photoreduction of 4-Nitrophenol in the presence of carboxylic acid using CdS nanofibers	PROSPERO ACEVEDO PEÑA MONSERRAT BIZARRO SORDO SANDRA ELIZABETH RODIL POSADA et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2018
23	Novel ZnS-ZnO composite synthesized by the solvothermal method through the partial sulfidation of ZnO for H ₂ production without sacrificial agent	PROSPERO ACEVEDO PEÑA FELIX GALINDO HERNANDEZ Piña-Pérez Y. et al.	APPLIED CATALYSIS B-ENVIRONMENTAL	2018
24	Electrochemical study of the Li-ion storage process in MWCNT@TiO ₂ -SiO ₂ composites	PROSPERO ACEVEDO PEÑA MARINA ELIZABETH RINCON GONZALEZ Rene Cabrera	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2018
25	Ni Prussian Blue Analogue/Mesoporous Carbon Composite as Electrode Material for Aqueous K-Ion Energy Storage: Effect of Carbon-Framework Interaction on Its Electrochemical Behavior	PROSPERO ACEVEDO PEÑA Vázquez-Samperio J. Sánchez-Padilla N.M. et al.	Chemistryselect	2018

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26	Electroreduction as a viable strategy to obtain TiO ₂ nanotube films with preferred anatase crystal orientation and its impact on photoelectrochemical performance	PROSPERO ACEVEDO PEÑA Sierra-Urbe H. Carrera-Crespo J.E. et al.	JOURNAL OF SOLID STATE ELECTROCHEMIS TRY	2018
27	Interfacial charge-transfer process across ZrO ₂ -TiO ₂ heterojunction and its impact on photocatalytic activity	PROSPERO ACEVEDO PEÑA Guerrero-Araque, D. Ramírez-Ortega, D. et al.	JOURNAL OF PHOTOCHEMIST RY AND PHOTOBIOLOGY A-CHEMISTRY	2017
28	Charge transfer processes involved in photocatalytic hydrogen production over CuO/ZrO ₂ ?TiO ₂ materials	PROSPERO ACEVEDO PEÑA Guerrero-Araque, D. Ramírez-Ortega, D. et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2017
29	N and F codoped TiO ₂ thin films on stainless steel for photoelectrocatalytic removal of cyanide ions in aqueous solutions	PROSPERO ACEVEDO PEÑA Castellanos-Leal, E.L. Güiza-Argüello, V.R. et al.	MATERIALS RESEARCH-IBER O-AMERICAN JOURNAL OF MATERIALS	2017
30	Improving photocatalytic reduction of 4-nitrophenol over ZrO ₂ -TiO ₂ by synergistic interaction between methanol and sulfite ions	PROSPERO ACEVEDO PEÑA Guerrero-Araque, Diana Ramírez-Ortega, David et al.	NEW JOURNAL OF CHEMISTRY	2017
31	Energetic states in SnO ₂ -TiO ₂ structures and their impact on interfacial charge transfer process	PROSPERO ACEVEDO PEÑA Ramírez-Ortega, David Tzompantzi, Francisco et al.	JOURNAL OF MATERIALS SCIENCE	2017
32	Directing photocatalytic and photoelectrocatalytic performance of TiO ₂ by using TEA and NH ₄ F as doping precursors	PROSPERO ACEVEDO PEÑA Leonardo Castellanos-Leal, Edgar Lartundo-Rojas, Luis et al.	JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY	2016
33	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
34	Electrochemical evaluation of bioglass/Al ₂ O ₃ coatings supported on AISI 316L stainless steel and its relationship with the films bioactivity [Evaluación electroquímica de recubrimientos de biovidrio/Al ₂ O ₃ in	PROSPERO ACEVEDO PEÑA Sierra Uribe J.H. Bravo Molina O.M. et al.	Revista Latinoamerican a de Metalurgia y Materiales	2015

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35	Coatings of biological hydroxyapatite doped with magnesium and reinforced with TiO ₂ : Synthesis and characterization [Recubrimientos de hidroxiapatita biológica dopada con magnesio y reforzada con TiO ₂ : Síntesis y caracterización]	PROSPERO ACEVEDO PEÑA Niño A.C. Mogollón M.J. et al.	Revista Latinoamericana de Metalurgia y Materiales	2014
36	Photo-assisted electrochemical copper removal from cyanide solutions using porous tio2 thin film photo-anodes	PROSPERO ACEVEDO PEÑA Ramírez-Santos Á.A. Córdoba E.M.	MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS	2014
37	Synthesis and morphological modification of semiconducting Mg(Zn)Al(Ga)-LDH/ITO thin films	PROSPERO ACEVEDO PEÑA Valente, Jaime S. Lopez-Salinas, Esteban et al.	MATERIALS CHEMISTRY AND PHYSICS	2014
38	Semiconducting properties of ZnO/TiO ₂ composites by electrochemical measurements and their relationship with photocatalytic activity	PROSPERO ACEVEDO PEÑA Ramirez-Ortega, David Melendez, Angel M. et al.	ELECTROCHIMICA ACTA	2014
39	Effect of heat treatment on the crystal phase composition, semiconducting properties and photoelectrocatalytic color removal efficiency of TiO ₂ nanotubes arrays	PROSPERO ACEVEDO PEÑA Carrera-Crespo, J. Edgar Gonzalez, Federico et al.	ELECTROCHIMICA ACTA	2014
40	TiO ₂ photoanodes prepared by cathodic electrophoretic deposition in 2-propanol: Effect of the electric field and deposition time	PROSPERO ACEVEDO PEÑA Gonzalez, Ignacio	JOURNAL OF SOLID STATE ELECTROCHEMISTRY	2013
41	Effect of Counter-ion and Solvent on the Morphology and Barrier Layer Properties of Nanoporous/Nanotubular TiO ₂ Films Grown by Anodization in Fluoride Containing Media	PROSPERO ACEVEDO PEÑA Valdez-Perez, Donato Gonzalez, Ignacio	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2013
42	Ti Anodization in Alkaline Electrolyte: The Relationship between Transport of Defects, Film Hydration and Composition	PROSPERO ACEVEDO PEÑA Vazquez-Arenas, Jorge Cabrera-Sierra, Roman et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2013
43	Effect of pH on the Barrier Layer of TiO ₂ Nanoporous Films Potentiostatically Grown in Aqueous Media Containing Fluoride Ions	PROSPERO ACEVEDO PEÑA Lartundo-Rojas, L. Gonzalez, Ignacio	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2013

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44	TiO ₂ Nanotubes Formed in Aqueous Media: Relationship between Morphology, Electrochemical Properties and Photoelectrochemical Performance for Water Oxidation	PROSPERO ACEVEDO PEÑA Gonzalez, Ignacio	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2013
45	Effect of water and fluoride content on morphology and barrier layer properties of TiO ₂ nanotubes grown in ethylene glycol-based electrolytes	PROSPERO ACEVEDO PEÑA Lartundo-Rojas, Luis Gonzalez, Ignacio	JOURNAL OF SOLID STATE ELECTROCHEMISTRY	2013
46	Synthesis and characterization of hydroxyapatite/TiO ₂ composites for biomedical applications [Síntesis y caracterización de compuestos hidroxiapatita/ TiO ₂ para aplicaciones biomédicas]	PROSPERO ACEVEDO PEÑA Cárdenas-Guerrero D.C. Córdoba-Tuta E.M.	Revista Latinoamericana de Metalurgia y Materiales	2013
47	Hydration and structural transformations during titanium anodization under alkaline conditions	PROSPERO ACEVEDO PEÑA Vázquez-Arenas J. Cabrera-Sierra R. et al.	ECS Transactions	2012
48	EIS Characterization of the Barrier Layer Formed over Ti during its Potentiostatic Anodization in 0.1 M HClO ₄ /x mM HF (1 mM ≤ x ≤ 500 mM)	PROSPERO ACEVEDO PEÑA Gonzalez, Ignacio	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2012
49	Modification of growth parameters of Ti anodic films by fluoride ion insertion	PROSPERO ACEVEDO PEÑA Gonzalez, Ignacio	JOURNAL OF SOLID STATE ELECTROCHEMISTRY	2012
50	Formation of TiO ₂ photoanodes by simultaneous electrophoretic deposition of Anatase and Rutile particles for photoassisted electrolytic copper ions removal	PROSPERO ACEVEDO PEÑA Peralta-Ruiz Y.Y. Lizcano-Beltrán E.M. et al.	QUIMICA NOVA	2012
51	Enhanced photocatalytic activity of TiO ₂ films by modification with polyethylene glycol	PROSPERO ACEVEDO PEÑA Ramírez-Santos Á.A. Córdoba E.M.	QUIMICA NOVA	2012
52	Surface states generation during cathodic electrophoretic deposition of TiO ₂ /ITO films [Generación de estados superficiales durante la formación electroforética catódica de películas de TiO ₂ sobre ITO]	PROSPERO ACEVEDO PEÑA González I. Vázquez G. et al.	QUIMICA NOVA	2011

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53	Influence of the HClO ₄ concentration over the morphology and growth of TiO ₂ anodic porous films formed in 5 mM HF/xM HClO ₄ (0.05 M ≤ x ≤ 1M)	PROSPERO ACEVEDO PEÑA González I.	ECS Transactions	2011
54	Role of the Solvent Employed for the cathodic-Electrophoretic Deposition (EPD) of ITO/TiO ₂ films, over its morphology, electronic properties and photoelectrochemical behavior	PROSPERO ACEVEDO PEÑA Manríquez J. González I.	ECS Transactions	2010
55	Influence of structural transformations over the electrochemical behavior of Ti anodic films grown in 0.1 M NaOH	PROSPERO ACEVEDO PEÑA Vazquez, Gerardo Laverde, Dionisio et al.	JOURNAL OF SOLID STATE ELECTROCHEMISTRY	2010
56	Semiconductor properties of Ti anodic films: Influence of structural transformations [Propiedades semiconductoras de películas anódicas de Ti: Influencia de las transformaciones estructurales]	PROSPERO ACEVEDO PEÑA Vázquez G. Laverde D. et al.	Revista Latinoamericana de Metalurgia y Materiales	2010
57	Electrochemical Characterization of TiO ₂ Films Formed by Cathodic EPD in Aqueous Media	PROSPERO ACEVEDO PEÑA Vazquez, Gerardo Laverde, Dionisio et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2009
58	Photocatalytic oxidation of cyanide on TiO ₂ : An electrochemical approach	PROSPERO ACEVEDO PEÑA Pedraza-Avella J.A. Pedraza-Rosas J.E.	CATALYSIS TODAY	2008
59	Influence of structure transformations over the growth and semiconductor properties of Ti anodic films in 0.1 M NaOH	PROSPERO ACEVEDO PEÑA Vázquez G. Laverde D. et al.	ECS Transactions	2008



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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

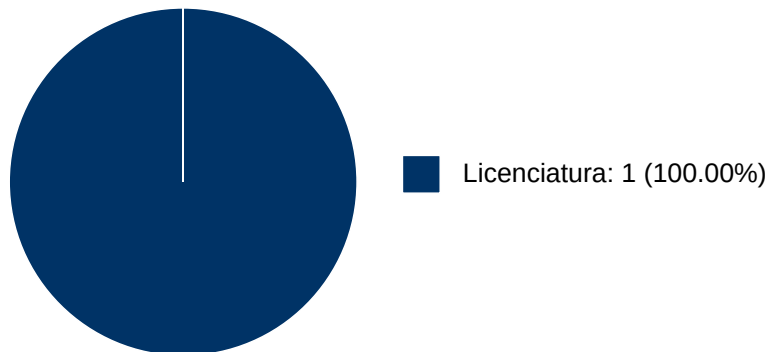
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

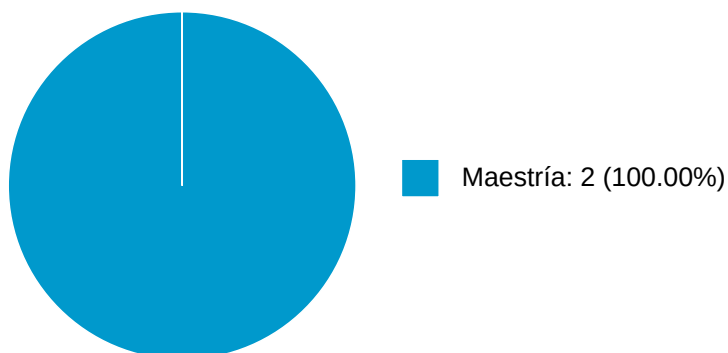


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Desarrollo de fotocátodos para producción de combustibles solares	Tesis de Licenciatura	PROSPERO ACEVEDO PEÑA,	León Luna, Miguel Ángel,		2018

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES	Instituto de Energías Renovables	2	2015-2
2	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES	Instituto de Energías Renovables	1	2015-2



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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