



NINI ROSE MATHEWS

Datos Generales

Nombre: NINI ROSE MATHEWS

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 16 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
Instituto de Energías Renovables
Desde 01-07-2021

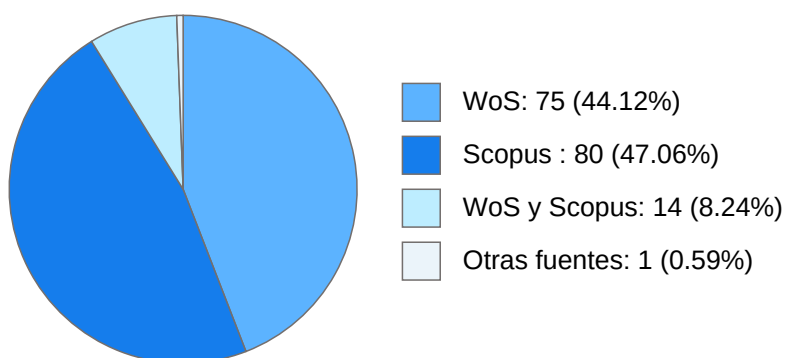
Estímulos, programas, premios y reconocimientos

SNI III 2024 - VIGENTE
SNI II 2015 - 2023
SNI I 2009 - 2014
PRIDE D 2017 - 2024
PRIDE C 2012 - 2017
PRIDE B 2012
PRIDE A 2012
PRIDE B 2009 - 2012

NINI ROSE MATHEWS

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Pulse electrodeposition of CuSbS ₂ thin films: Role of Cu/Sb precursor ratio on the phase formation and its performance as photocathode for hydrogen evolution	ANDREA QUETZALLI CERDAN PASARAN NINI ROSE MATHEWS Avilez García R.G. et al.	Heliyon	2024
2	Corrigendum to "CuSbS ₂ thin films by heat treatment of thermally evaporated Sb ₂ S ₃ /CuS stack: Effect of [Cu]/[Sb] ratio on the physical properties of the films" [Vacuum 204 (2022) 111355] (Vacuum (2022) 204, (S0042207X22004778), (10.1016/j.vacuum.2022.111355))	EULISES REGALADO PEREZ NINI ROSE MATHEWS XAVIER MATHEW et al.	Vacuum	2024
3	Hydrothermally deposited Sb ₂ S ₃ absorber, and a Sb ₂ S ₃ /CdS solar cell with VOC approaching 800 mV	NINI ROSE MATHEWS XAVIER MATHEW Pokhrel D. et al.	SOLAR ENERGY MATERIALS AND SOLAR CELLS	2024
4	Sb ₂ (SxSe1-x) ₃ thin films by electrodeposition: Role of deposition potential on the formation of the solid solution and photovoltaic performance via device simulation	EULISES REGALADO PEREZ ANDREA QUETZALLI CERDAN PASARAN NINI ROSE MATHEWS et al.	CURRENT APPLIED PHYSICS	2023

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5	Ag nanoparticle dispersed TiO ₂ thin films by single step sol gel process: Evaluation of the physical properties and photocatalytic degradation	NINI ROSE MATHEWS Borrego Pérez J.A. Morales E.R. et al.	Vacuum	2023
6	CuSbS ₂ thin films by heat treatment of thermally evaporated Sb ₂ S ₃ /CuS stack: Effect of [Cu]/[Sb] ratio on the physical properties of the films	EULISES REGALADO PEREZ NINI ROSE MATHEWS XAVIER MATHEW et al.	Vacuum	2022
7	Hydrothermally Deposited Antimony Sulfide Solar Cells with VOC Approaching 800 mV	NINI ROSE MATHEWS XAVIER MATHEW Pokhrel D. et al.	IEEE Photovoltaic Specialists Conference	2022
8	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 MUÑOZ SORIA et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2021
9	Impact of Vertical Inhomogeneity on the Charge Extraction in Perovskite Solar Cells: A Study by Depth-Dependent Photoluminescence	EULISES REGALADO PEREZ EVELYN BETSABE DIAZ CRUZ NINI ROSE MATHEWS et al.	ACS APPLIED MATERIALS & INTERFACES	2021
10	Cu ₂ ZnGeS ₄ nanorods by solvothermal method: physical and photocatalytic properties	MARTHA VIRIDIANA MORALES GALLARDO NINI ROSE MATHEWS Mou Pal et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2021
11	Obtaining the solid solution Sb ₂ S ₃ -xSex by selenization of Sb ₂ S ₃ film and identifying the thermal processing parameters to achieve recrystallization while maintaining phase-purity	MAYKEL COUREL PIEDRAHITA NINI ROSE MATHEWS XAVIER MATHEW et al.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2021
12	Phase pure CuSbS ₂ thin films by heat treatment of electrodeposited Sb ₂ S ₃ /Cu layers	ANDREA QUETZALLI CERDAN PASARAN MARGARITA MIRANDA HERNANDEZ NINI ROSE MATHEWS et al.	JOURNAL OF SOLID STATE ELECTROCHEMISTRY	2020
13	Eu(III) complex-polymer composite luminescence down-shifting layers for reducing the blue-losses in thin film solar cells	EULISES REGALADO PEREZ NINI ROSE MATHEWS XAVIER MATHEW	SOLAR ENERGY	2020

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14	Structural evolution of chemically deposited binary stacks of Sb ₂ S ₃ -CuS to phase-pure CuSbS ₂ thin films and evaluation of device parameters of CuSbS ₂ /CdS heterojunction	NINI ROSE MATHEWS Pal M. Diliégros-Godines C.J. et al.	INTERNATIONAL JOURNAL OF ENERGY RESEARCH	2020
15	Effects of inorganic surface blocking layer of SnS on the performance and stability of perovskite solar cells	OSCAR ANDRES JARAMILLO QUINTERO EULISES REGALADO PEREZ NINI ROSE MATHEWS et al.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2020
16	Cesium Lead Bromide (CsPbBr ₃) Thin-Film-Based Solid-State Neutron Detector Developed by a Solution-Free Sublimation Process	XAVIER MATHEW NINI ROSE MATHEWS Leunam Fernandez-Izquierdo et al.	Advanced Materials Technologies	2020
17	Band offset studies in MAPbI ₃ perovskite solar cells using X-ray photoelectron spectroscopy	NINI ROSE MATHEWS XAVIER MATHEW Kumar Y. et al.	OPTICAL MATERIALS	2019
18	Structural, optical, and photoluminescence properties of erbium doped TiO ₂ films	MAYKEL COUREL PIEDRAHITA NINI ROSE MATHEWS Pérez J.A.B. et al.	Vacuum	2019
19	Facile synthesis of Cu ₂ ZnGeS ₄ thin films from binary metal sulfides and study of their physical properties	NINI ROSE MATHEWS XAVIER MATHEW Ayala A.M. et al.	Thin Solid Films	2019
20	Effect of cobalt doping on the device properties of Sb ₂ S ₃ -sensitized TiO ₂ solar cells	XAVIER MATHEW NINI ROSE MATHEWS Cerdán-Pasarán A. et al.	SOLAR ENERGY	2019
21	Ge doped Cu ₂ ZnSnS ₄ : An investigation on absorber recrystallization and opto-electronic properties of solar cell	EULISES REGALADO PEREZ XAVIER MATHEW NINI ROSE MATHEWS et al.	SOLAR ENERGY MATERIALS AND SOLAR CELLS	2019
22	Effect of Gamma Irradiation on Electrical Properties of CdTe/CdS Solar Cells	XAVIER MATHEW NINI ROSE MATHEWS LUIS MARTIN MEJIA MENDOZA et al.	INTERNATIONAL CONFERENCES & EXHIBITION ON NANOTECHNOLOGIES, ORGANIC ELECTRONICS & NANOMEDICINE, NANOTECHNOLOGY 2020, PT 1	2018
23	Cu ₂ ZnGeS ₄ thin films deposited by thermal evaporation: The impact of Ge concentration on physical properties	NINI ROSE MATHEWS XAVIER MATHEW Maykel Courel et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2018

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24	Development of sputtered CuSbS ₂ thin films grown by sequential deposition of binary sulfides	NINI ROSE MATHEWS XAVIER MATHEW M. I. Medina-Montes et al.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2018
25	Effect of Ag doping on structural, optical and electrical properties of antimony sulfide thin films	NINI ROSE MATHEWS Diliegros-Godines C.J. Santos Cruz J. et al.	JOURNAL OF MATERIALS SCIENCE	2018
26	Impact of Cd concentrations on the physical properties of Cu ₂ (Cd _x Zn _{1-x})SnS ₄ thin films	EULISES REGALADO PEREZ NINI ROSE MATHEWS Maykel Courel et al.	SUPERLATTICES AND MICROSTRUCTURES	2018
27	Bi ₂ S ₃ nanoparticles by facile chemical synthesis: Role of pH on growth and physical properties	NINI ROSE MATHEWS Ramos Reynoso Y. Martinez-Ayala A. et al.	ADVANCED POWDER TECHNOLOGY	2018
28	Polyvinylpyrrolidone influence on physical properties of Cu ₂ ZnSnS ₄ nanoparticles	GUILLERMO MANUEL HERRERA PEREZ ROBERTO YSACC SATO BERRU NINI ROSE MATHEWS et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2018
29	Junction Activation of CdTe/CdS Solar Cell Using MgCl ₂	GONZALO ANGELES ORDOÑEZ EULISES REGALADO PEREZ NINI ROSE MATHEWS et al.	IEEE Photovoltaic Specialists Conference	2017
30	Vacuum coated Sb ₂ S ₃ thin films: Thermal treatment and the evolution of its physical properties	NINI ROSE MATHEWS XAVIER MATHEW Sotelo Marquina, R.G. et al.	MATERIALS RESEARCH BULLETIN	2017
31	Surfactant-mediated self-assembly of Sb ₂ S ₃ nanorods during hydrothermal synthesis	NINI ROSE MATHEWS XAVIER MATHEW Pal, Mou	JOURNAL OF MATERIALS RESEARCH	2017
32	Development and studies of Cd _{1-x} Mg _x Te thin films with varying band gaps to understand the Mg incorporation and the related material properties	NINI ROSE MATHEWS XAVIER MATHEW Palomera, Roger C. et al.	APPLIED THERMAL ENGINEERING	2017
33	The influence of film deposition temperature on the subsequent post-annealing and crystallization of sputtered Sb ₂ S ₃ thin films	NINI ROSE MATHEWS XAVIER MATHEW Medina-Montes, M.I. et al.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2017
34	Study on the effect of annealing under pressure on the material properties of Cu ₂ ZnSn(S,Se) ₄ thin films	NINI ROSE MATHEWS XAVIER MATHEW De Los Santos, I. Montoya et al.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2017

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35	Effect of ytterbium doping concentration on structural, optical and photocatalytic properties of TiO ₂ thin films	NINI ROSE MATHEWS Borrego Perez, J. A. Courel, Maykel et al.	CERAMICS INTERNATIONAL	2017
36	Phase controlled synthesis of CuSbS ₂ nanostructures: Effect of reaction conditions on phase purity and morphology	NINI ROSE MATHEWS Pal, Mou Torres Luna, Y. et al.	MATERIALS & DESIGN	2017
37	Effect of Eu Doping on the Physical, Photoluminescence, and Photocatalytic Characteristics of ZnO Thin Films Grown by Sol-Gel Method	XAVIER MATHEW NINI ROSE MATHEWS R. M. Sanchez Rayes et al.	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	2017
38	Effect of Eu Doping on the Physical, Photoluminescence, and Photocatalytic Characteristics of ZnO Thin Films Grown by Sol-Gel Method	XAVIER MATHEW NINI ROSE MATHEWS Sanchez Rayes R.M. et al.	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	2017
39	CdTe/CdS solar cell junction activation: Study using MgCl ₂ as an environment friendly substitute to traditional CdCl ₂	NINI ROSE MATHEWS XAVIER MATHEW Angeles-Ordonez, G. et al.	SOLAR ENERGY MATERIALS AND SOLAR CELLS	2017
40	Structural, morphological and spectroscopic ellipsometry studies on sputter deposited Sb ₂ S ₃ thin films	NINI ROSE MATHEWS XAVIER MATHEW Medina-Montes, M. I. et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2016
41	Synthesis of pyrite FeS ₂ nanorods by simple hydrothermal method and its photocatalytic activity	NINI ROSE MATHEWS Morales-Gallardo, M. V. Ayala, A. M. et al.	CHEMICAL PHYSICS LETTERS	2016
42	Effect of heat treatment on the electrical properties of perovskite solar cells	EULISES REGALADO PEREZ NINI ROSE MATHEWS XAVIER MATHEW et al.	SOLAR ENERGY MATERIALS AND SOLAR CELLS	2016
43	Antimony sulfide (Sb ₂ S ₃) thin films by pulse electrodeposition: Effect of thermal treatment on structural, optical and electrical properties	NINI ROSE MATHEWS Avilez Garcia, R. G. Meza Avendano, C. A. et al.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2016
44	Obtaining phase-pure CZTS thin films by annealing vacuum evaporated CuS/SnS/ZnS stack	XAVIER MATHEW NINI ROSE MATHEWS Sanchez, T. G.	JOURNAL OF CRYSTAL GROWTH	2016

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45	Structural Evolution of Multilayer SnS/Cu/ZnS Stack to Phase-Pure Cu ₂ ZnSnS ₄ Thin Films by Thermal Processing	C. A. Meza Avendano NINI ROSE MATHEWS Mou Pal et al.	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY	2015
46	Photovoltaic performance of a CdI - XMg _x Te/CdS top-cell structure	Omar S. Martinez EULISES REGALADO PEREZ NINI ROSE MATHEWS et al.	Thin Solid Films	2015
47	Synthesis of CuS nanoparticles by a wet chemical route and their photocatalytic activity	Mou Pal NINI ROSE MATHEWS XAVIER MATHEW et al.	JOURNAL OF NANOPARTICLE RESEARCH	2015
48	Fe doped TiO ₂ powder synthesized by sol gel method: structural and photocatalytic characterization	NINI ROSE MATHEWS Cortes Jacome, M. A. AngelesChavez, C. et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2015
49	Physical properties of vacuum evaporated tin sulfide thin films	K. Monfil Leyva NINI ROSE MATHEWS XAVIER MATHEW et al.	CHALCOGENIDE LETTERS	2015
50	Phase controlled solvothermal synthesis of Cu ₂ ZnSnS ₄ , Cu ₂ ZnSn(S,Se) ₄ and Cu ₂ ZnSnSe ₄ Nanocrystals: The effect of Se and S sources on phase purity	Mou Pal NINI ROSE MATHEWS XAVIER MATHEW et al.	MATERIALS CHEMISTRY AND PHYSICS	2015
51	Thermal treatments and characterization of CZTS thin films deposited using nanoparticle ink	A. Martinez Ayala Mou Pal NINI ROSE MATHEWS et al.	CANADIAN JOURNAL OF PHYSICS	2014
52	Synthesis and characterization of SnS nanoparticles through a nonaqueous chemical route for depositing photovoltaic absorber layers	Mou Pal A. Martinez Ayala NINI ROSE MATHEWS et al.	JOURNAL OF NANO RESEARCH	2014
53	Effect of annealing on structural, optical and electrical properties of pulse electrodeposited tin sulfide films	NINI ROSE MATHEWS C. Colin Garcia Ildefonso Z. Torres	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2013
54	Synthesis of Cu ₂ ZnSnS ₄ nanocrystals by solvothermal method	Mou Pal NINI ROSE MATHEWS XAVIER MATHEW et al.	Thin Solid Films	2013
55	A comparative study of CdS thin films deposited by different techniques	NINI ROSE MATHEWS XAVIER MATHEW Perez-Hernandez, G. et al.	Thin Solid Films	2013
56	Physical properties of pulse electrodeposited lead sulfide thin films	NINI ROSE MATHEWS Angeles-Chavez, C. Cortes-Jacome, M. A. et al.	ELECTROCHIMICA ACTA	2013
57	Photocatalytic activity enhancement of TiO ₂ thin films with silver doping under visible light	NINI ROSE MATHEWS Ramos Gutierrez, Dulce Jocelyn Silva Martinez, Susana	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	2013

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58	Formation of Cu ₂ SnS ₃ thin film by the heat treatment of electrodeposited SnS-Cu layers	NINI ROSE MATHEWS J. Tamy Benitez M. Pal et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2013
59	Influence of the film thickness on structural and optical properties of CdTe thin films electrodeposited on stainless steel substrates	NINI ROSE MATHEWS XAVIER MATHEW Pantoja Enriquez, J. et al.	MATERIALS CHEMISTRY AND PHYSICS	2013
60	Synthesis of Eu ⁺³ doped ZnS nanoparticles by a wet chemical route and its characterization	Mou Pal NINI ROSE MATHEWS ERIK ALBERTO RODRIGUEZ MORALES et al.	OPTICAL MATERIALS	2013
61	Study of the Mg incorporation in CdTe for developing wide band gap Cd _{1-x} Mg _x Te thin films for possible use as top-cell absorber in a tandem solar cell	Omar S. Martinez Aduljay Remolina Millan LAZARO HUERTA ARCOS et al.	MATERIALS CHEMISTRY AND PHYSICS	2012
62	Electrodeposited tin selenide thin films for photovoltaic applications	NINI ROSE MATHEWS	SOLAR ENERGY	2012
63	Physical properties of the CNT:TiO ₂ thin films prepared by sol-gel dip coating	ERIK ALBERTO RODRIGUEZ MORALES NINI ROSE MATHEWS David Reyes Coronado et al.	SOLAR ENERGY	2012
64	A facile one-pot synthesis of highly luminescent CdS nanoparticles using thioglycerol as capping agent	Mou Pal NINI ROSE MATHEWS PATRICIA SANTIAGO JACINTO et al.	JOURNAL OF NANOPARTICLE RESEARCH	2012
65	Structural study of CdS films annealed in oxidizing atmosphere	LUIS ALBERTO HERNANDEZ ROSAS XAVIER MATHEW NINI ROSE MATHEWS et al.	e-Journal of Surface Science and Nanotechnology	2012
66	Chemically and electrochemically deposited thin films of tin sulfide for photovoltaic structures	NINI ROSE MATHEWS JOSE CAMPOS ALVAREZ SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	Materials Research Society Symposium Proceedings	2010
67	Tin Sulfide Thin Films by Pulse Electrodeposition: Structural, Morphological, and Optical Properties	NINI ROSE MATHEWS Hiran B. M. Anaya Cortes-Jacome, M. A. et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2010
68	Charge transport in a pulse-electrodeposited SnS/Al Schottky device	NINI ROSE MATHEWS	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2010

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69	Pulse electrodeposited tin sulfide films for photovoltaic applications	NINI ROSE MATHEWS Anaya H.B.M. Torres I.Z.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2009
70	Development of a semitransparent CdMgTe/CdS top cell for applications in tandem solar cells	XAVIER MATHEW NINI ROSE MATHEWS Drayton, J. et al.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2009
71	TiO ₂ thin films - Influence of annealing temperature on structural, optical and photocatalytic properties	NINI ROSE MATHEWS ERIK ALBERTO RODRIGUEZ MORALES Cortes-Jacome, M. A. et al.	SOLAR ENERGY	2009
72	Structural and spectroscopic study of the Fe doped TiO ₂ thin films for applications in photocatalysis	NINI ROSE MATHEWS Jacome M.A.C. Morales E.R. et al.	Physica Status Solidi C-Current Topics in Solid State Physics	2009
73	Development of wide band gap CdI-XMgXTe/CdS top cells for tandem devices	NINI ROSE MATHEWS XAVIER MATHEW Martinez O.S. et al.	IEEE Photovoltaic Specialists Conference	2008
74	Deep levels in the band gap of CdTe films electrodeposited from an acidic bath - PICTS analysis	XAVIER MATHEW NINI ROSE MATHEWS JOSEPH SEBASTIAN PATHIYAMATTOM et al.	SOLAR ENERGY MATERIALS AND SOLAR CELLS	2004
75	Electrochemical characterization of α-SiC in different electrolytes	NINI ROSE MATHEWS JOSEPH SEBASTIAN PATHIYAMATTOM MARTIN GUILLERMO HERNANDEZ LUNA et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2004
76	Photoelectrochemical characterization of porous Si	NINI ROSE MATHEWS JOSEPH SEBASTIAN PATHIYAMATTOM XAVIER MATHEW et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2003
77	Photoelectrochemical Characterization of Surface Modified CdTe for Hydrogen Production	XAVIER MATHEW NINI ROSE MATHEWS JOSEPH SEBASTIAN PATHIYAMATTOM et al.	JOURNAL OF NEW MATERIALS FOR ELECTROCHEMICAL SYSTEMS	2002
78	Photoelectrochemical characterization of SiC	JOSEPH SEBASTIAN PATHIYAMATTOM NINI ROSE MATHEWS XAVIER MATHEW et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2001

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79	Shallow levels in the band gap of CdTe films deposited on metallic substrates	XAVIER MATHEW JOSEPH SEBASTIAN PATHIYAMATTOM NINI ROSE MATHEWS et al.	SOLAR ENERGY MATERIALS AND SOLAR CELLS	2001
80	Influence of the deposition potential on the structure and composition of the CdTe films electrodeposited on stainless steel substrates	XAVIER MATHEW NINI ROSE MATHEWS JOSEPH SEBASTIAN PATHIYAMATTOM et al.	SOLAR ENERGY MATERIALS AND SOLAR CELLS	2001
81	Temperature dependence of the optical transitions in electrodeposited Cu ₂ O thin films	XAVIER MATHEW NINI ROSE MATHEWS JOSEPH SEBASTIAN PATHIYAMATTOM	SOLAR ENERGY MATERIALS AND SOLAR CELLS	2001
82	Charge transport mechanisms in Au-CdTe space-charge-limited schottky diodes	XAVIER MATHEW NINI ROSE MATHEWS Rakhshani A.E. et al.	PHYS STATUS SOLIDI A	1998



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Reporte individual



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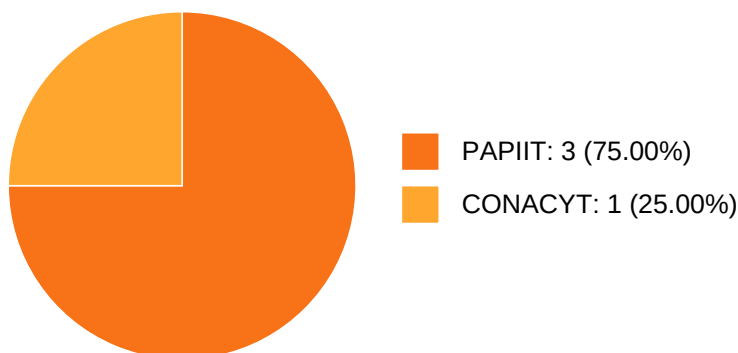
No se encuentran registros en la base de datos de Humanindex asociados a:

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

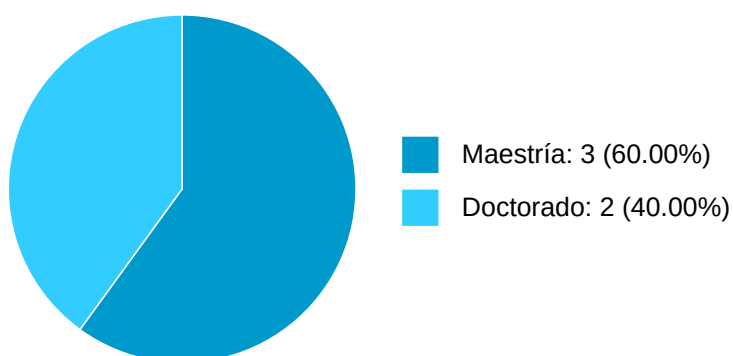


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Síntesis de nanopartículas y desarrollo de películas delgadas de FeS ₂ a partir de un tinte de este compuesto para aplicaciones en celdas solares.	NINI ROSE MATHEWS	Recursos CONACYT	01-01-2016	01-06-2019
2	Síntesis de nano partículas de Cu ₂ Zn(Sn _{1-x} Ge) ₄ y desarrollo de un tinte para depositar películas delgadas para aplicaciones en celdas solares	NINI ROSE MATHEWS JOSE CAMPOS ALVAREZ	Recursos PAPIIT	01-01-2018	31-12-2020
3	Estudio de crecimiento y pasivación de la capa absorbadora Sb ₂ (SxSe _{1-x}) ₃ mediante el dopaje con metales alcalinos para celdas solares de alta eficiencia	NINI ROSE MATHEWS	Recursos PAPIIT	01-01-2021	31-12-2023
4	Desarrollo de fotocátodos basados en compuestos calcogenuros de Cu-Sb, para la aplicación de fotoelectrólisis del agua	NINI ROSE MATHEWS	Recursos PAPIIT	01-01-2024	31-12-2026

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Síntesis y caracterización de nanopartículas de $\text{Cu}_2\text{ZnGeS}_4$ y Cu_3BiS_3 para su aprovechamiento en dispositivos fotovoltaicos	Tesis de Doctorado	NINI ROSE MATHEWS,	Morales Gallardo, Martha Viridiana,	Instituto de Energías Renovables,	2022
2	Integración de la capa absorbidora $\text{Cu}_2\text{ZnSnS}_4$ obtenida por evaporación térmica y tratamiento térmico del apilamiento de $\text{CuS}/\text{ZnS}/\text{SnS}$ a una celda solar $\text{Mo}/\text{Cu}_2\text{ZnSnS}_4/\text{CdS}/\text{ZnO}$	Tesis de Doctorado	ARTURO FERNANDEZ MADRIGAL,	XAVIER MATHEW, NINI ROSE MATHEWS, et al.	Instituto de Energías Renovables,	2018
3	Síntesis y caracterización de $\text{CuSb}(\text{SxSe}_{1-x})_2$ para su aplicación en dispositivos opto-electrónicos	Tesis de Maestría	NINI ROSE MATHEWS,	Rueda Pérez, Edgar Alexander,	Instituto de Energías Renovables,	2018
4	Síntesis y caracterización de nanopartículas de CuFeS_2 y FeS_2 para su aplicación en dispositivos de aprovechamiento de energía solar y remediación ambiental	Tesis de Maestría	NINI ROSE MATHEWS,	Morales Gallardo, Martha Viridiana,	Instituto de Energías Renovables,	2017



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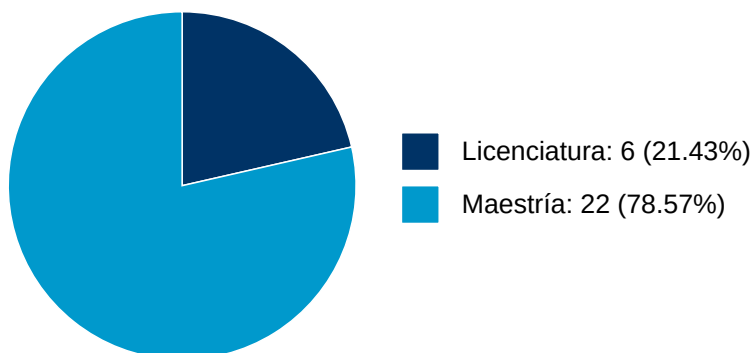
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5	Obtención de películas delgadas de $\text{Cu}_2\text{ZnSnS}_4$ por evaporación térmica de $\text{CuS}/\text{SnS}/\text{ZnS}$ para aplicaciones en celdas solares	Tesis de Maestría	NINI ROSE MATHEWS,	González Sánchez, Tenoch,	Centro de Investigación en Energía,	2013
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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	HIDROGENO Y ENERGIA	Centro de Investigación en Energía	1	2024-2
2	Licenciatura	HIDROGENO Y ENERGIA	Centro de Investigación en Energía	5	2023-2
3	Maestría	ACTIVIDADES ACADEMICAS ORIENTADAS A LA GRADUACION	Instituto de Energías Renovables	1	2018-2
4	Maestría	PROYECTO DE INVESTIGACION II	Instituto de Energías Renovables	1	2018-1
5	Maestría	PROYECTO DE INVESTIGACION III	Instituto de Energías Renovables	1	2018-1
6	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES,METODOS ELECTROQUIMICOS EN EL DESARROLLO DE PELICULAS SEMICONDUCTORAS Y SU CARACTERIZACION	Instituto de Energías Renovables	1	2018-1
7	Maestría	PROYECTO DE INVESTIGACION II-320997	Instituto de Energías Renovables	1	2017-1
8	Maestría	PROYECTO DE INVESTIGACION III-321036	Instituto de Energías Renovables	1	2017-1
9	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES	Instituto de Energías Renovables	2	2016-2
10	Maestría	PROYECTO DE INVESTIGACION I	Instituto de Energías Renovables	1	2016-2

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11	Licenciatura	QUIMICA-331559	Instituto de Energías Renovables	6	2016-1
12	Licenciatura	HIDROGENO Y ENERGIA	Instituto de Energías Renovables	22	2015-2
13	Licenciatura	HIDROGENO Y ENERGIA	Instituto de Energías Renovables	7	2014-2
14	Licenciatura	QUIMICA	Instituto de Energías Renovables	5	2014-1
15	Maestría	SESION DE TUTORIA I	Instituto de Energías Renovables	7	2014-1
16	Maestría	SESION DE TUTORIA II	Instituto de Energías Renovables	16	2013-2
17	Maestría	ACTIVIDADES ACADEMICAS ORIENTADAS A LA GRADUACION	Instituto de Energías Renovables	1	2013-2
18	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES	Instituto de Energías Renovables	2	2013-2
19	Maestría	PROYECTO DE INVESTIGACION II	Centro de Investigación en Energía	1	2013-1
20	Maestría	PROYECTO DE INVESTIGACION III	Centro de Investigación en Energía	1	2013-1
21	Maestría	SESION DE TUTORIA III	Centro de Investigación en Energía	20	2013-1
22	Maestría	SESION DE TUTORIA IV	Centro de Investigación en Energía	20	2013-1
23	Maestría	SESION DE TUTORIA I	Centro de Investigación en Energía	20	2013-1
24	Maestría	SESION DE TUTORIA II	Centro de Investigación en Energía	20	2013-1
25	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES	Centro de Investigación en Energía	2	2012-2
26	Maestría	TEMAS SELECTOS DE SISTEMAS ENERGETICOS	Centro de Investigación en Energía	2	2010-2
27	Maestría	TEMAS SELECTOS DE SISTEMAS ENERGETICOS	Centro de Investigación en Energía	1	2010-1
28	Maestría	TEMAS SELECTOS DE SISTEMAS ENERGETICOS	Centro de Investigación en Energía	1	2009-2



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



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PATENTES

#	Título	Inventores	Sección	Año
1	RECUBRIMIENTO CONVERTIDOR DE FOTONES PARA MEJORAR LA EFICIENCIA DE CELDAS SOLARES Y PROCESO DE FABRICACION DEL MISMO.	EULISES REGALADO PEREZ, NINI ROSE MATHEWS, XAVIER MATHEW,	CHEMISTRY; METALLURGYELECTRICITY	2023

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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