ANDREA QUETZALLI CERDAN PASARAN

Datos Generales

Nombre: ANDREA QUETZALLI CERDAN PASARAN

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 01-09-2017 hasta 31-08-2018

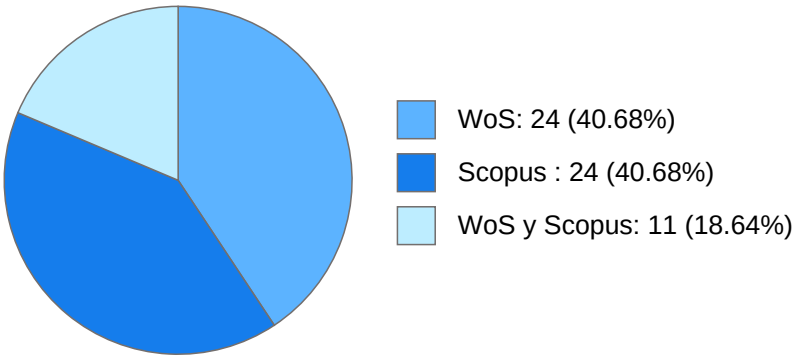
Estímulos, programas, premios y reconocimientos

No cuenta con estímulos, programas, premios y reconocimientos

ANDREA QUETZALLI CERDAN PASARAN

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Influence of post-deposition thermal annealing and photodetector performance of solution-grown Bi2S3 thin films	MARTHA VIRIDIANA MORALES GALLARDO ANDREA QUETZALLI CERDAN PASARAN SALVADOR ESCOBAR GUERRERO et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2026
2	Advanced integration of absorption heat Pump-Transformers into combined heat and power systems for Enhanced Low-Grade heat recovery and emission mitigation	JAVIER ALEJANDRO HERNANDEZ MAGALLANES JOSE CAMILO JIMENEZ GARCIA ANDREA QUETZALLI CERDAN PASARAN et al.	Sustainable Energy Technologies and Assessments	2026
3	Pulse electrodeposition of CuSbS2 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
4	Sb2(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
5	Organic Waste as Reducing and Capping Agents for Synthesis of Silver Nanoparticles with Various Applications	ANDREA QUETZALLI CERDAN PASARAN Ureña-Castillo B. Morones-Ramírez J.R. et al.	Chemistryselect	2022

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6	Energy and Exergy Analysis of a Modified Absorption Heat Pump (MAHP) to Produce Electrical Energy and Revaluated Heat	JAVIER ALEJANDRO HERNANDEZ MAGALLANES ANDREA QUETZALLI CERDAN PASARAN Domínguez-Inzunza L.A. et al.	Processes	2022
7	Antimony Selenide Thin Films by Electrodeposition: Influence of Deposition Conditions and Post-Deposition Thermal Treatment on Physical and Photoelectrochemical Properties	ANDREA QUETZALLI CERDAN PASARAN ARTURO FERNANDEZ MADRIGAL Rocio Guadalupe Avilez Garcia et al.	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	2022
8	Mesoporous silver-cobalt-phosphate nanostructures synthesized via hydrothermal and solid-state reaction for supercapattery devices	ANDREA QUETZALLI CERDAN PASARAN Ali S.R. Faisal M.M. et al.	INTERNATIONAL JOURNAL OF ENERGY RESEARCH	2022
9	Thermodynamic simulation of an absorption heat pump-transformer-power cycle operating with the ammonia-water mixture	JAVIER ALEJANDRO HERNANDEZ MAGALLANES ANDREA QUETZALLI CERDAN PASARAN WILFRIDO RIVERA GOMEZ FRANCO et al.	APPLIED THERMAL ENGINEERING	2021
10	Room temperature ammonia sensing of a-MoO3 nanorods grown on glass substrates	ANDREA QUETZALLI CERDAN PASARAN JAVIER ALEJANDRO HERNANDEZ MAGALLANES Thomas T. et al.	Thin Solid Films	2021
11	Alternative sources of natural pigments for dye-sensitized solar cells: Algae, cyanobacteria, bacteria, archaea and fungi	ANDREA QUETZALLI CERDAN PASARAN Orona-Navar A. Aguilar-Hernández I. et al.	JOURNAL OF BIOTECHNOLOGY	2021
12	Phase pure CuSbS2 thin films by heat treatment of electrodeposited Sb2S3/Cu layers	ANDREA QUETZALLI CERDAN PASARAN MARGARITA MIRANDA HERNANDEZ NINI ROSE MATHEWS et al.	JOURNAL OF SOLID STATE ELECTROCHEMISTRY	2020
13	Increase the Quantum Dots Sensitized TiO2 Solar Cell Efficiency Adding n%Yb3+-1%Er3+ Doped NaYF4: Submicrometer-Sized Rods	ANDREA QUETZALLI CERDAN PASARAN Guerrero-Jimenez J.P. Arellano V.H.R. et al.	IEEE JOURNAL OF PHOTOVOLTAICS	2020
14	Co-sensitized TiO 2 electrodes with different quantum dots for enhanced hydrogen evolution in photoelectrochemical cells	ANDREA QUETZALLI CERDAN PASARAN López-Luke T. Zarazúa I. et al.	JOURNAL OF APPLIED ELECTROCHEMISTRY	2019
15	Modulating the grain size, phase and optoelectronic quality of perovskite films with cesium iodide for high-performance solar cells	ANDREA QUETZALLI CERDAN PASARAN Siraj Sidhik Christopher Rosiles Perez et al.	JOURNAL OF MATERIALS CHEMISTRY C	2018

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16	Improving the Optoelectronic Properties of Mesoporous TiO2 by Cobalt Doping for High-Performance Hysteresis-free Perovskite Solar Cells	ANDREA QUETZALLI CERDAN PASARAN Sidhik S. Esparza D. et al.	ACS APPLIED MATERIALS & INTERFACES	2018
17	Improved performance of CdS quantum dot sensitized solar cell by solvent modified SILAR approach	ANDREA QUETZALLI CERDAN PASARAN Rosiles-Perez C. Sidhik S. et al.	SOLAR ENERGY	2018
18	Enhancement of Efficiency in Quantum Dot Sensitized Solar Cells Based on CdS/CdSe/CdSeTe Heterostructure by Improving the Light Absorption in the VIS-NIR Region	DAVID ESPARZA BORQUEZ ANDREA QUETZALLI CERDAN PASARAN Lopez-Luke T. et al.	ELECTROCHIMICA ACTA	2017
19	Astaxanthin from Haematococcus pluvialis as a natural photosensitizer for dye-sensitized solar cell	ANDREA QUETZALLI CERDAN PASARAN Orona-Navar A. Aguilar-Hernández I. et al.	ALGAL RESEARCH-BIO MASS BIOFUELS AND BIOPRODUCTS	2017
20	Multifold Emission Enhancement in Nanoimprinted Hybrid Perovskite Metasurfaces	ANDREA QUETZALLI CERDAN PASARAN Makarov S.V. Milichko V. et al.	ACS PHOTONICS	2017
21	Laser deposition of resonant silicon nanoparticles on perovskite for photoluminescence enhancement	ANDREA QUETZALLI CERDAN PASARAN Tiguntseva E.Y. Zalogina A.S. et al.	GIREP-EPEC 2025 CONFERENCE	2017
22	Photovoltaic study of quantum dot-sensitized TiO2/CdS/ZnS solar cell with P3HT or P3OT added	ANDREA QUETZALLI CERDAN PASARAN Esparza D. Zarazúa I. et al.	JOURNAL OF APPLIED ELECTROCHEMISTRY	2016
23	Effect of different sensitization technique on the photoconversion efficiency of CdS quantum dot and cdse quantum rod sensitized TiO2 solar cells	DAVID ESPARZA BORQUEZ ANDREA QUETZALLI CERDAN PASARAN ANTONIO SANCHEZ SOLIS et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2015
24	Photovoltaic properties of multilayered quantum dot/quantum rod-sensitized TiO2 solar cells fabricated by SILAR and electrophoresis	ANDREA QUETZALLI CERDAN PASARAN DAVID ESPARZA BORQUEZ ANTONIO SANCHEZ SOLIS et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2015

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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

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

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DOCENCIA IMPARTIDA

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

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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	2008-2026
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	2008-2026
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	2008-2026