SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR

Datos Generales

Nombre: SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 38 años

Nombramientos

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Desde 01-03-2013

Estímulos, programas, premios y reconocimientos

SNI III 2022 - VIGENTE
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PRIDE D - 2024

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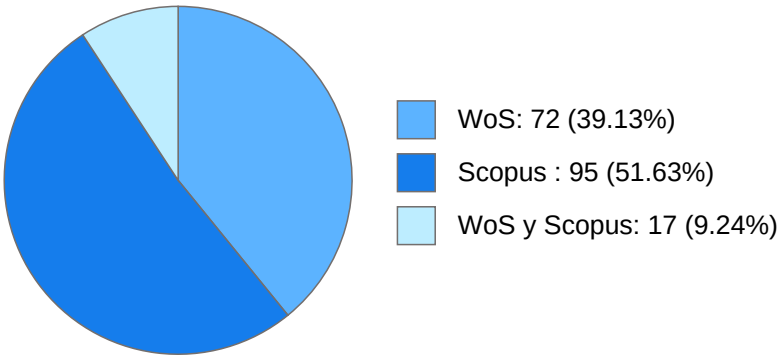
DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Solar cells and prototype modules of variable bandgap antimony sulfide selenide thin films made by chemical deposition	JOSE DIEGO GONZAGA SANCHEZ ENUE BARRIOS SALGADO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	SOLAR ENERGY	2025
2	Antimony sulfide selenide thin film solar cells with comparable characteristics prepared via a choice of chemical deposition or vacuum thermal evaporation	FABIOLA DE BRAY SANCHEZ SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY et al.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2025
3	Insights to the production of SnS-cubic thin films by vacuum thermal evaporation for photovoltaics	FABIOLA DE BRAY SANCHEZ SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2024
4	Thin film Sn2S3 via chemical deposition and controlled heating ?Its prospects as a solar cell absorber	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Mohan R.N.	APPLIED SURFACE SCIENCE	2020
5	Thin film thermoelectric elements of p-n tin chalcogenides from chemically deposited SnS-SnSe stacks of cubic crystalline structure	ENUE BARRIOS SALGADO DIANA ERENDIRA LARA LLANDERAL SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2020

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6	Prospects toward UV-blue filtered solar drying of agricultural farm produce using chemically deposited copper chalcogenide thin films on cellular polycarbonate	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY ANGELICA LIZBETH ESPINOSA SANTANA LAURA GUERRERO MARTINEZ et al.	SOLAR ENERGY	2020
7	Thin film Zn-Mg-Al-O produced by r. f. Sputtering used in antimony sulfide solar cells	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR Sanal K.C. et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2019
8	Antimony sulfide selenide prototype photovoltaic modules surpassing 4% conversion efficiency under the sun ? A technological outlook	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY FABIOLA DE BRAY SANCHEZ SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	SOLAR ENERGY	2019
9	Antimony sulfide-selenide thin film solar cells produced from stibnite mineral	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY LAURA GUERRERO MARTINEZ SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	Thin Solid Films	2018
10	Optimum chemical composition of antimony sulfide selenide for thin film solar cells	FABIOLA DE BRAY SANCHEZ SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR P. K. Nair	APPLIED SURFACE SCIENCE	2018
11	Co-sputtered Zn1-xMgxO films and interfacial band offsets at heterojunctions with SnS-CUB	VICTORIA ELENA GONZALEZ FLORES KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2018
12	Thermal stability of 'metastable' cubic tin sulfide and its relevance to applications	VICTORIA ELENA GONZALEZ FLORES SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2018
13	Band offset in zinc oxy-sulfide/cubic-tin sulfide interface from X-ray photoelectron spectroscopy	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR Sanal, K. C.	APPLIED SURFACE SCIENCE	2017
14	Thin film solar cells of cubic structured SnS-SnSe	ENUE BARRIOS SALGADO MA. LUISA RAMON GARCIA LAURA GUERRERO MARTINEZ et al.	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	2017

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15	Cubic and orthorhombic SnS thin-film absorbers for tin sulfide solar cells	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY ANA ROSA GARCIA ANGELMO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	2016
16	Thin films of n-type SnSe2 produced from chemically deposited p-type SnSe	ENUE BARRIOS SALGADO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	Thin Solid Films	2016
17	Crystal structure of a large cubic tin monosulfide polymorph: an unraveled puzzle	ANA ROSA GARCIA ANGELMO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY et al.	Crystengcomm	2016
18	Stable Performance of Chemically Deposited Antimony Sulfide-Lead Sulfide Thin Film Solar Cells under Concentrated Sunlight	Rogelio GonzalezLua Jose EscorciaGarcia DIEGO PEREZ MARTINEZ et al.	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY	2015
19	Thin film solar cell of SnS absorber with cubic crystalline structure	ANA ROSA GARCIA ANGELMO R. RomanoTrujillo JOSE CAMPOS ALVAREZ et al.	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	2015
20	Evolution of crystalline structure in SnS thin films prepared by chemical deposition	ANA ROSA GARCIA ANGELMO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	SOLID STATE SCIENCES	2014
21	Chemically deposited SnSe thin films: Thermal stability and solar cell application	Enue Barrios Salgado SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY	2014
22	Heterojunction CdS/Sb2S3 solar cells using antimony sulfide thin films prepared by thermal evaporation	J. Escorcia Garcia D. Becerra SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	Thin Solid Films	2014
23	Antimony chalcogenide/lead selenide thin film solar cell with 2.5% conversion efficiency prepared by chemical deposition	M. Calixto Rodriguez Harumi Moreno Garcia SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY	2013

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24	Iron pyrite thin films via thermal treatment of chemically deposited precursor films	D. A. Mazon Montijo SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY	2013
25	Antimony sulfide and Silver antimony sulfide absorbers for thin film solar cells	JESUS CAPISTRAN MARTINEZ SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	Mrs Advances	2012
26	Chemically deposited lead sulfide and bismuth sulfide thin films and Bi2S3/PbS solar cells	Harumi Moreno Garcia SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	Thin Solid Films	2011
27	Analysis of a Bismuth Sulfide/Silicon Junction for Building Thin Film Solar Cells	D. Becerra SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2011
28	All-chemically deposited Bi2S3/PbS solar cells	Harumi Moreno Garcia SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	Thin Solid Films	2011
29	Chemically deposited thin films of PbSe as an absorber component in solar cell structures	ENUE BARRIOS SALGADO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY et al.	Thin Solid Films	2011
30	Cu2SnS3 and Cu4SnS4 Thin Films via Chemical Deposition for Photovoltaic Application	David Avellaneda SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2010
31	PbSe Thin Films in All-Chemically Deposited Solar Cells	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Enue Barrios Salgado MA. LUISA RAMON GARCIA et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2010
32	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
33	Photovoltaic structures using chemically deposited tin sulfide thin films	David Avellaneda SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	Thin Solid Films	2009

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35	Antimony Selenide Absorber Thin Films in All-Chemically Deposited Solar Cells	Sarah Messina SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2009
36	Antimony sulphide thin film as an absorber in chemically deposited solar cells	Sarah Messina SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2008
37	Polymorphic tin sulfide thin films of zinc blende and orthorhombic structures by chemical deposition	David Avellaneda SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2008
38	Structural and chemical transformations in SnS thin films used in chemically deposited photovoltaic cells	MARIA GUADALUPE DELGADO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY et al.	Thin Solid Films	2007
39	Antimony sulfide thin films in chemically deposited thin film photovoltaic cells	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Messina S.	Thin Solid Films	2007
40	Revisiting CdS-PbS solar cell structure	OSCAR GUSTAVO GOMEZ DAZA ALMENDARO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY et al.	Materials Research Society Symposium Proceedings	2007
41	SnS thin films in chemically deposited solar cell structures	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Avellaneda D.	Materials Research Society Symposium Proceedings	2007
42	All-chemically deposited solar cells with antimony sulfide-selenide/lead sulfide thin film absorbers	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Messina S.	Materials Research Society Symposium Proceedings	2007

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43	Characteristics of chemically deposited thin film solar cells using SnS and Sb2S3 absorbers	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Avellaneda D. et al.	Materials Research Society Symposium Proceedings	2006
44	Thin films of arsenic sulfide by chemical deposition and formation of InAs	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY P?a-Méndez Y.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2006
45	Chemically deposited photovoltaic structure using antimony sulfide and silver antimony selenide absorber films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Bindu K. et al.	ELECTROCHEM SOLID ST	2006
46	Chemically deposited se thin films and their use as a planar source of selenium for the formation of metal selenide layers	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Bindu K.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2006
47	Chemically deposited CuS and Cu2-xSe coatings in the production of spectrally selective laminated solar control glazings	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY OSCAR GUSTAVO GOMEZ DAZA ALMENDARO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	Proceedings - Electrochemical Society	2006
48	Photoconductive antimony sulfide-selenide thin films produced by heating a chemically deposited Se- Sb2 S3 layer	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Suárez-Sandoval D.Y.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2006
49	Absorber films of antimony chalcogenides via chemical deposition for photovoltaic application	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rodríguez-Lazcano Y. et al.	Materials Research Society Symposium Proceedings	2005
50	AgSbSe2 thin films for photovoltaic structures produced through reaction of chemically deposited selenium thin films with Ag and Sb 2S3	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Bindu K.	Materials Research Society Symposium Proceedings	2005
51	Optical and mechanical characteristics of clear and solar control laminated glass using zinc sulphide and copper sulphide thin films	OSCAR GUSTAVO GOMEZ DAZA ALMENDARO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY et al.	SURFACE & COATINGS TECHNOLOGY	2005

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52	Spectrally selective laminated glazing consisting of solar control and heat mirror coated glass: Preparation, characterization and modelling of heat transfer	OSCAR GUSTAVO GOMEZ DAZA ALMENDARO CLAUDIO ALEJANDRO ESTRADA GASCA SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	SOLAR ENERGY	2005
53	Structural, optical and electrical properties of chemically deposited silver sulfide thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rodríguez A.N.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2005
54	Semiconducting AgSbSe2 thin film and its application in a photovoltaic structure	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Bindu K. et al.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2005
55	Photovoltaic p-i-n structure of Sb2S3 and CuSbS 2 absorber films obtained via chemical bath deposition	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rodríguez-Lazcano Y.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2005
56	Polycrystalline thin films of antimony selenide via chemical bath deposition and post deposition treatments	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rodríguez-Lazcano Y. et al.	Thin Solid Films	2005
57	Semiconducting Cu3BiS3 thin films formed by the solid-state reaction of CuS and bismuth thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Estrella V.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2003
58	Copper tin sulfide semiconductor thin films produced by heating SnS-CuS layers deposited from chemical bath	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Lopéz-Mata C. et al.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2003
59	Crystalline structure of chemically deposited thallium sulfide thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Estrella V.	Thin Solid Films	2002
60	Formation of thallium antimony sulfide and thallium bismuth sulfide thin films by heating chemically deposited multi-layer thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Estrella V.	Materials Research Society Symposium Proceedings	2002
61	Thallium antimony sulfide and thallium bismuth sulfide thin films produced by heating chemically deposited multi-layers	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Estrella V.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2002

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62	Absorber films of Ag2S and AgBiS2 prepared by chemical bath deposition	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rodriguez A.N.	Materials Research Society Symposium Proceedings	2002
63	Chemically deposited antimony selenide thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rodríguez-Lazcano Y. et al.	Materials Research Society Symposium Proceedings	2002
64	Formation of conductive CdO layer on CdS thin films during air heating	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY OSCAR GUSTAVO GOMEZ DAZA ALMENDARO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2001
65	High thin-film yield achieved at small substrate separation in chemical bath deposition of semiconductor thin films	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY OSCAR GUSTAVO GOMEZ DAZA ALMENDARO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR et al.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2001
66	Polyethersulfone foils as stable transparent substrates for conductive copper sulfide thin film coatings	OSCAR GUSTAVO GOMEZ DAZA ALMENDARO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR Nair P.K et al.	Thin Solid Films	2001
67	Chemical bath deposition: A promising technology to build low cost solar cells	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR Nuñez A.	MODERN PHYSICS LETTERS B	2001
68	Formation of conductive CdO thin films on photoconductive CdS thin films for window layer applications in solar cells	OSCAR GUSTAVO GOMEZ DAZA ALMENDARO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY et al.	MODERN PHYSICS LETTERS B	2001
69	Conductive copper sulfide thin films on polyimide foils for optical and optoelectronic applications	OSCAR GUSTAVO GOMEZ DAZA ALMENDARO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY et al.	MODERN PHYSICS LETTERS B	2001
70	Optical and electrical properties of thallium sulphide and TlxMySz (M=Cu, Bi, Sb) thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Estrella V. et al.	MODERN PHYSICS LETTERS B	2001

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71	CuxSbySz thin films produced by annealing chemically deposited Sb2S3-CuS thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rodríguez-Lazcano Y.	MODERN PHYSICS LETTERS B	2001
72	CuSbS2 thin film formed through annealing chemically deposited Sb2S3-CuS thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rodríguez-Lazcano Y.	JOURNAL OF CRYSTAL GROWTH	2001
73	Conductive copper sulfide thin films on polyimide foils	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Cardoso J. et al.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2001
74	Mechanism of Formation of Highly Photosensitive CdSe/ZnO Composite Coatings Obtained by Sintering CdSe/ZnCl2 Screen Printed Layers	OSCAR GUSTAVO GOMEZ DAZA ALMENDARO AARON SANCHEZ JUAREZ AURELIA MARIA LETICIA BAÑOS LOPEZ et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2001
75	Substrate spacing and thin-film yield in chemical bath deposition of semiconductor thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Arias-Carbajal Reádigos A. et al.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2000
76	Growth mechanism of thin film wide-gap semiconductors by chemical bath deposition technique	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR Parmananda P.	Materials Research Society Symposium Proceedings	2000
77	Formation of InSb by annealing Sb2S3-In thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rodríguez-Lazcano Y.	JOURNAL OF CRYSTAL GROWTH	2000
78	Ion beam analysis of copper selenide thin films prepared by chemical bath deposition	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR LAZARO HUERTA ARCOS et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2000

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80	Production of InSb thin films through annealing Sb2S3-In thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rodriguez-Lazcano Y.	Materials Research Society Symposium Proceedings	1999
81	Copper selenide thin films by chemical bath deposition	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR García V.M.	JOURNAL OF CRYSTAL GROWTH	1999
82	Formation of a ZnSe:In2O3 heterostructure by air annealing ZnSe-In thin film	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY García V.M.	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	1999
83	Mathematical model simulating the growth of compound semiconductor thin films via chemical bath deposition	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR Parmananda P.	JOURNAL OF CRYSTAL GROWTH	1999
84	Chemically deposited copper oxide thin films: structural, optical and electrical characteristics	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Guerrero L. et al.	APPLIED SURFACE SCIENCE	1999
85	Semiconductor thin films by chemical bath deposition for solar energy related applications	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR AARON SANCHEZ JUAREZ et al.	SOLAR ENERGY MATERIALS AND SOLAR CELLS	1998
86	Chemically deposited Sb2S3 and Sb2S3-CuS thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Peña Y. et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	1998
87	Formation of p-type Cu3BiS3 absorber thin films by annealing chemically deposited Bi2S3-CuS thin films	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR HAILIN ZHAO HU et al.	JOURNAL OF MATERIALS RESEARCH	1997

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89	Chemically deposited thin films of sulfides and selenides of antimony and bismuth as solar energy materials	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY García V.M. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1997
90	Simultaneous observation of strong and weak quantum confinement effect in chemically deposited CdSe thin films: A spectro-structural study	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Rai B.K. et al.	JOURNAL OF APPLIED PHYSICS	1997
91	Highly photosensitive CdSe coatings by screen printing and sintering technique	OSCAR GUSTAVO GOMEZ DAZA ALMENDARO SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY et al.	APPLIED PHYSICS LETTERS	1996
92	CdSe:In-In2O3 coatings with n-type conductivity produced by air annealing of CdSe-In thin films	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Garcia V.M. et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	1996
93	Chemical bath deposition of photosensitive CdS and CdSe thin films and their conversion to n-type for solar cell applications	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY Zingaro R.A. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1995
94	Modification of chemically deposited ZnSe thin films by ion exchange reaction with copper ions in solution	KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR Estrada C.A. et al.	Thin Solid Films	1994
95	Chemically Deposited Bi2S3-Cuxs Solar Control Coatings	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR CLAUDIO ALEJANDRO ESTRADA GASCA KARUNAKARAN NAIR PADMANABHAN PANKAJAKSHY	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	1993

SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR

LIBROS Y CAPITULOS CON ISBN

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

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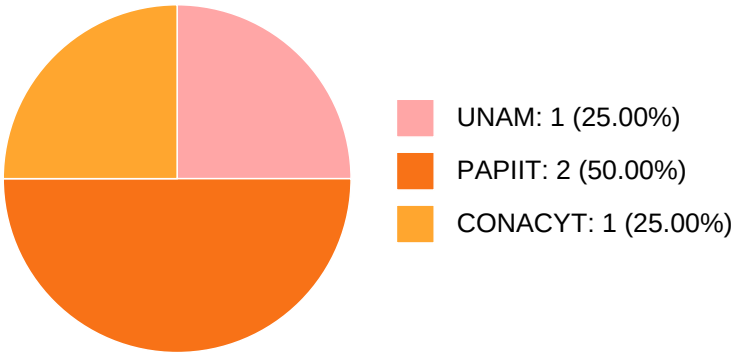
SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

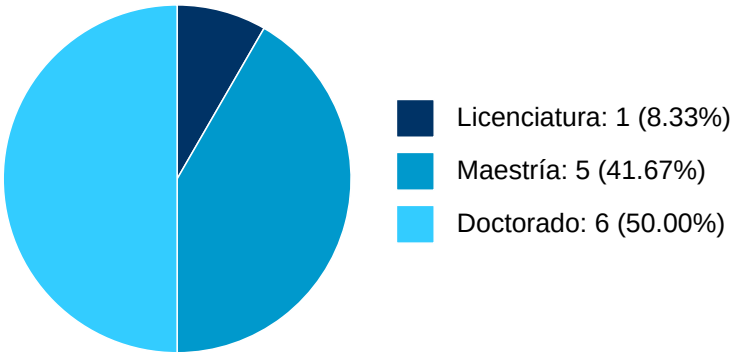


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Recubrimientos Ópticos y Optoelectrónicos.	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR	Presupuesto de la UNAM asignado a la Dependencia	01-01-2016	31-12-2021
2	Rutas de manufactura de bajo-capex acopladas a tratamientos térmicos para el alto desempeño de materiales novedosos en película delgada. CEMIE-Sol P50	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR	Recursos CONACYT	01-01-2017	31-12-2019
3	Celdas solares de sulfuro de estaño.	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR	Recursos PAPIIT	01-01-2019	31-12-2021
4	Desarrollo de Capas ventanas/buffer semiconductoras con mejor desempeño en heterouniones de celdas solares de calcogenuros de estaño	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR	Recursos PAPIIT	01-01-2022	31-12-2024

SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Métodos para mejorar el desempeño fotovoltaico en celdas solares de películas de calcogenuros de estaño y antimonio enfocados en los componentes de brecha de energía amplia de la heterounión	Tesis de Doctorado	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	Bray Sánchez, Fabiola de,	Instituto de Energías Renovables,	2022
2	Películas delgadas y celdas solares de SnSxSe1x	Tesis de Maestría	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	Lara Llanderal, Diana Eréndira,	Instituto de Energías Renovables,	2021
3	Desarrollo de películas de óxidos y sulfuros de zinc e investigación en su efecto como capa ventana/búffer en el desempeño de celdas solares de calcogenuros de estaño	Tesis de Maestría	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	López Cruz, Luis Arturo,	Instituto de Energías Renovables,	2020
4	Investigaciones en películas delgadas y celdas solares SnS-Se	Tesis de Licenciatura	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	Lara Llanderal, Diana Eréndira,	Instituto de Energías Renovables,	2018

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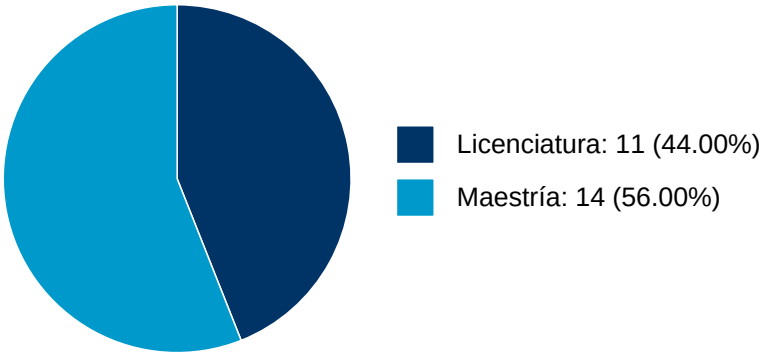
5	Celdas solares de heterouniones de películas delgadas sulfuros de estaño	Tesis de Doctorado	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	García Angelmo, Ana Rosa,	Instituto de Energías Renovables,	2016
6	Celdas solares de películas delgadas de selenuros de metales por depósito químico	Tesis de Doctorado	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	Barrios Salgado, Enue,	Instituto de Energías Renovables,	2014
7	Evaluación de parámetros de celdas solares por depósito químico	Tesis de Maestría	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	Sayago Hoyos, Jonathan Javier,	Centro de Investigación en Energía,	2011
8	Investigaciones de las características fotovoltaicas de heterouniones de películas delgadas de sulfuros de estaño con capas ventana de diferentes calcogenuros	Tesis de Maestría	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	García Angelmo, Ana Rosa,	Centro de Investigación en Energía,	2011
9	Celdas solares por depósito químico utilizando calcogenuros de estaño como capa absorbedora	Tesis de Doctorado	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	Avellaneda Avellaneda, David,	Centro de Investigación en Energía,	2009
10	Estructuras fotovoltaicas de películas delgadas de selenuros de metales por depósito químico	Tesis de Maestría	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	Barrios Salgado, Enue,	Centro de Investigación en Energía,	2009
11	Peliculas delgadas semiconductoras basadas en Sb2S3 y Sb2Se3 por deposito quimico para aplicaciones en estructuras fotovoltaicas	Tesis de Doctorado	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	Rodriguez Lazcano, Yamilet,		2004
12	Peliculas delgadas de selenuros de metales (Bi, Cd, Cu, Zn) por deposito quimico y tratamientos postdeposito para aplicaciones fotovoltaicas	Tesis de Doctorado	SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR,	García Saldivar, Victor Manuel,		1998

SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	QUIMICA	Centro de Investigación en Energía	4	2024-1
2	Licenciatura	QUIMICA	Centro de Investigación en Energía	11	2023-1
3	Licenciatura	QUIMICA	Centro de Investigación en Energía	3	2022-1
4	Licenciatura	QUIMICA	Centro de Investigación en Energía	8	2021-1
5	Licenciatura	QUIMICA	Centro de Investigación en Energía	15	2020-1
6	Licenciatura	QUIMICA	Centro de Investigación en Energía	18	2019-1
7	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES,PRINCIPIOS DE QUIMICA	Instituto de Energías Renovables	4	2018-1
8	Licenciatura	SEMINARIO DE TITULACION	Centro de Investigación en Energía	1	2017-2
9	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES-321096	Instituto de Energías Renovables	6	2017-1
10	Licenciatura	QUIMICA	Centro de Investigación en Energía	20	2017-1
11	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES	Instituto de Energías Renovables	5	2016-1

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12	Licenciatura	QUIMICA-331559	Instituto de Energías Renovables	6	2016-1
13	Licenciatura	QUIMICA	Instituto de Energías Renovables	24	2015-1
14	Licenciatura	QUIMICA	Instituto de Energías Renovables	10	2014-2
15	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES	Instituto de Energías Renovables	1	2013-2
16	Maestría	TEMAS SELECTOS DE FUENTES RENOVABLES	Centro de Investigación en Energía	1	2012-2
17	Maestría	TEMAS SELECTOS DE SISTEMAS ENERGETICOS	Centro de Investigación en Energía	2	2011-1
18	Maestría	PROYECTO DE INVESTIGACION II	Centro de Investigación en Energía	1	2011-1
19	Maestría	PROYECTO DE INVESTIGACION I	Centro de Investigación en Energía	1	2010-2
20	Maestría	PROYECTO DE INVESTIGACION II	Centro de Investigación en Energía	1	2010-1
21	Maestría	TEMAS SELECTOS DE SISTEMAS ENERGETICOS	Centro de Investigación en Energía	1	2009-2
22	Maestría	PROYECTO DE INVESTIGACION I	Centro de Investigación en Energía	1	2009-2
23	Maestría	PROYECTO DE INVESTIGACION II	Centro de Investigación en Energía	1	2009-1
24	Maestría	PROYECTO DE INVESTIGACION I	Centro de Investigación en Energía	1	2008-2
25	Maestría	TEMAS SELECTOS DE SISTEMAS ENERGETICOS	Centro de Investigación en Energía	3	2008-2

SANTHAMMA MAILEPPALLIL THANKAMMA DE NAIR

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