ERIKA SOHN LOPEZ FORMENT

Datos Generales

Nombre: ERIKA SOHN LOPEZ FORMENT

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 29 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Instituto de Astronomía
Desde 01-03-2024

Estímulos, programas, premios y reconocimientos

PRIDE D - 2024
PASPA Estudios de Postgrado 2016 - 2017
ESPECIALES GUILLERMO HARO BARRAZA 2009 - 2010

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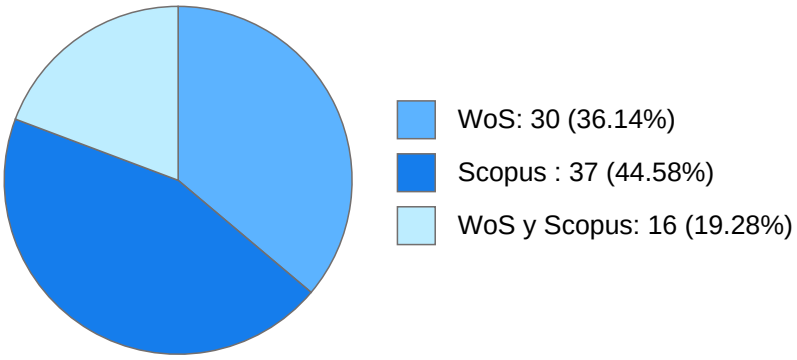
DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Optical Design of OPTICAM-ARG: A Three-Channel High-Time-Resolution Camera for the Jorge Sahade Telescope	JOEL HERRERA VAZQUEZ ANGEL CASTRO CASTRO RAUL MICHEL MURILLO et al.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA	2026
2	Hartmann test using a screen with arbitrarily positioned holes	JOEL HERRERA VAZQUEZ ESTEBAN ANTOLIN LUNA AGUILAR ERIKA SOHN LOPEZ FORMENT et al.	APPLIED OPTICS	2024
3	HyDRa: discrete polishing	ERIKA SOHN LOPEZ FORMENT ELFEGO GUILLERMO RUIZ SCHNEIDER LUIS SALAS CASALES et al.	OPTICAL ENGINEERING	2021
4	Preliminary design for the f/5 Nasmyth tertiary mirror configuration for the TSPM	MARIA HERLINDA PEDRAYES LOPEZ JOEL HERRERA VAZQUEZ ERIKA SOHN LOPEZ FORMENT et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2018

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5	The Telescopio San Pedro Martir project	MICHAEL GERARD RICHER WILLIAM HENRY LEE ALARDIN JOSE DE JESUS GONZALEZ GONZALEZ et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2018
6	Optical characterization of the active push-pull cell for the 2.1 m telescope at OAN SPM	JOEL HERRERA VAZQUEZ ESTEBAN ANTOLIN LUNA AGUILAR LUIS SALAS CASALES et al.	APPLIED OPTICS	2017
7	Diffraction-limited step-zoom telescope by image restoration	Jose A. AraizaDuran ESTEBAN ANTOLIN LUNA AGUILAR Alejandro CornejoRodriguez et al.	APPLIED OPTICS	2015
8	Common-pull, multiple-push, vacuum-activated telescope mirror cell	ELFEGO GUILLERMO RUIZ SCHNEIDER ERIKA SOHN LOPEZ FORMENT LUIS SALAS CASALES et al.	APPLIED OPTICS	2014
9	Low-cost, phase-shifting mechanisms for Newton-type interferometers	JOEL HERRERA VAZQUEZ ESTEBAN ANTOLIN LUNA AGUILAR LUIS SALAS CASALES et al.	APPLIED OPTICS	2013
10	HyDRa: Control of parameters for deterministic polishing	ELFEGO GUILLERMO RUIZ SCHNEIDER LUIS SALAS CASALES ERIKA SOHN LOPEZ FORMENT et al.	OPTICS EXPRESS	2013
11	HyDRa: Polishing with a vortex	ERIKA SOHN LOPEZ FORMENT ELFEGO GUILLERMO RUIZ SCHNEIDER LUIS SALAS CASALES et al.	APPLIED OPTICS	2013
12	HyDRa: Polishing process convergence rate optimization	LUIS SALAS CASALES ESTEBAN ANTOLIN LUNA AGUILAR ERIKA SOHN LOPEZ FORMENT et al.	APPLIED OPTICS	2013
13	Polishing with a vortex: A decade in hydrodynamic radial polishing	ERIKA SOHN LOPEZ FORMENT ELFEGO GUILLERMO RUIZ SCHNEIDER LUIS SALAS CASALES et al.	Optics InfoBase Conference Papers	2012
14	Variant of the anastigmatic telescope with three mirrors for back focal length	JOEL HERRERA VAZQUEZ ESTEBAN ANTOLIN LUNA AGUILAR LUIS SALAS CASALES et al.	APPLIED OPTICS	2011
15	Polishing large segments with hydra	ERIKA SOHN LOPEZ FORMENT ELFEGO GUILLERMO RUIZ SCHNEIDER LUIS SALAS CASALES et al.	Optics InfoBase Conference Papers	2010
16	Deterministic convergence in iterative phase shifting	ESTEBAN ANTOLIN LUNA AGUILAR LUIS SALAS CASALES ERIKA SOHN LOPEZ FORMENT et al.	APPLIED OPTICS	2009

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17	Site prospection at San Pedro Martir	JOAQUIN IGNACIO AGUSTIN BOHIGAS BOSCH JUAN MANUEL NUÑEZ ALFONSO F. Guillen et al.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA	2008
18	Reconnaissance field report for the search of large telescope sites in the Sierra San Pedro Martir, Baja California, Mexico	ERIKA SOHN LOPEZ FORMENT	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2007
19	Hydrodynamic radial polishing tool: HyDRa	ERIKA SOHN LOPEZ FORMENT ESTEBAN ANTOLIN LUNA AGUILAR LUIS SALAS CASALES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2006
20	CATAVIÑA: New infrared camera for OAN-SPM	ARTURO ISMAEL IRIARTE VALVERDE IRENE ANTONIA CRUZ GONZALEZ ESPINOSA LUIS ARTEMIO MARTINEZ VAZQUEZ et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2006
21	HyDra: A novel hydrodynamic polishing tool for high quality optical surfaces; Techical Digest	ERIKA SOHN LOPEZ FORMENT ESTEBAN ANTOLIN LUNA AGUILAR LUIS SALAS CASALES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2005
22	New results in hydrodynamic radial polishing using HyDRa	ERIKA SOHN LOPEZ FORMENT ESTEBAN ANTOLIN LUNA AGUILAR LUIS SALAS CASALES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2005
23	Static and dynamic removal rates of a new hydrodynamic polishing tool	ALBERTO CORDERO DAVILA ESTEBAN ANTOLIN LUNA AGUILAR JUAN MANUEL NUÑEZ ALFONSO et al.	APPLIED OPTICS	2004

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24	New perspectives in hydrodynamic radial polishing techniques for optical surfaces	ERIKA SOHN LOPEZ FORMENT ESTEBAN ANTOLIN LUNA AGUILAR LUIS SALAS CASALES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2004
25	Surface roughness results using a hydrodynamic polishing tool (HyDra)	JUAN MANUEL NUÑEZ ALFONSO ESTEBAN ANTOLIN LUNA AGUILAR LUIS SALAS CASALES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2004
26	Lightweight off-axis 8m class telescope: A case study to ELT approximation	ERIKA SOHN LOPEZ FORMENT ESTEBAN ANTOLIN LUNA AGUILAR LUIS SALAS CASALES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2004
27	A dual infrared camera for near and mid infrared observations	LUIS SALAS CASALES LEONEL GUTIERREZ ALBORES MAURICIO MANUEL TAPIA IBARGUENGOITIA et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2002
28	Large flexible membrane mirrors	ERIKA SOHN LOPEZ FORMENT ELFEGO GUILLERMO RUIZ SCHNEIDER DOLORES ALEJANDRA FERREIRA DE LOZA	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2002
29	Polishing TIM mirror segments with HyDra	ALBERTO CORDERO DAVILA ESTEBAN ANTOLIN LUNA AGUILAR JORGE ENRIQUE VALDEZ HERNANDEZ et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2002

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30	Noise reduction in BIB type detectors	ERIKA SOHN LOPEZ FORMENT ELFEGO GUILLERMO RUIZ SCHNEIDER LUIS SALAS CASALES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2001
31	Structure analysis of the primary mirror support for the TIM, using computer-aided Finite Element Method	ALEJANDRO FARAH SIMON MARIA HERLINDA PEDRAYES LOPEZ ELFEGO GUILLERMO RUIZ SCHNEIDER et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2000
32	Hydrostatic shoe bearing system for the TIM	ELFEGO GUILLERMO RUIZ SCHNEIDER ERIKA SOHN LOPEZ FORMENT ALEJANDRO FARAH SIMON et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2000
33	Design of a capacitive sensor for 3D relative displacement measurements to align the M1 segments of the Mexican Infrared Telescope (TIM)	ELFEGO GUILLERMO RUIZ SCHNEIDER ALEJANDRO FARAH SIMON ERIKA SOHN LOPEZ FORMENT et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2000
34	Mirror cell and active support system of the Mexican infrared-optical telescope (TIM)	ERIKA SOHN LOPEZ FORMENT IRENE ANTONIA CRUZ GONZALEZ ESPINOSA LUIS SALAS CASALES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1998
35	TEQUILA: NIR camera/spectrograph based on a Rockwell 1024 X 1024 HgCdTe FPA	ELFEGO GUILLERMO RUIZ SCHNEIDER ERIKA SOHN LOPEZ FORMENT IRENE ANTONIA CRUZ GONZALEZ ESPINOSA et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1998

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36	PUMILA: A near-infrared spectrograph for the kinematic study of the interstellar medium	MARGARITA EUGENIA DEL SOCORRO ROSADO SOLIS IRENE ANTONIA CRUZ GONZALEZ ESPINOSA LUIS SALAS CASALES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1998
37	Mid-infrared camera/spectrograph for OAN/SPM	ERIKA SOHN LOPEZ FORMENT ELFEGO GUILLERMO RUIZ SCHNEIDER IRENE ANTONIA CRUZ GONZALEZ ESPINOSA et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1998
38	Active primary mirror support for the 2.1-m telescope at the San Pedro Martir Observatory	LUIS SALAS CASALES MARIA HERLINDA PEDRAYES LOPEZ JORGE ENRIQUE VALDEZ HERNANDEZ et al.	APPLIED OPTICS	1997

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

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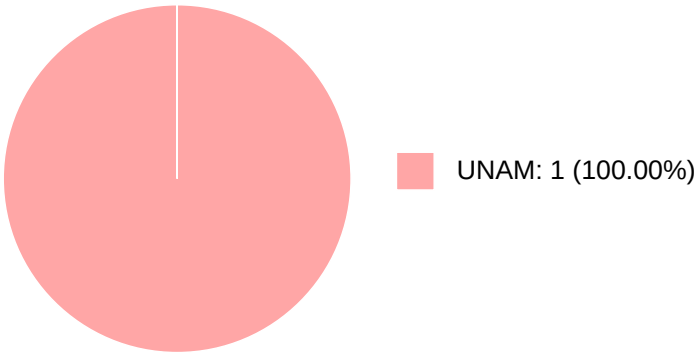
PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Celda activa para el espejo primario del telescopio de 2.1 m.	ERIKA SOHN LOPEZ FORMENT	Presupuesto de la UNAM asignado a la Dependencia	01-01-2019	31-12-2025

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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

#	Título	Inventores	Sección	Año
1	MÓDULO MEZCLADOR PARA UNA HERRAMIENTA HIDRODINÁMICA DETERMINÍSTICA PARA EL PULIDO PULSADO DE SUPERFICIES ÓPTICAS, Y MÉTODO PARA LLEVAR A CABO EL PULIDO PULSADO.	ELFEGO GUILLERMO RUIZ SCHNEIDER, ERIKA SOHN LOPEZ FORMENT, ESTEBAN ANTOLIN LUNA AGUILAR, et al.	PERFORMING OPERATIONS; TRANSPORTING	2022

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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