



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



ALBERTO CORDERO DAVILA

Datos Generales

Nombre: ALBERTO CORDERO DAVILA

Máximo nivel de estudios:

Antigüedad académica en la UNAM: años, meses, días

Nombramientos

Último:

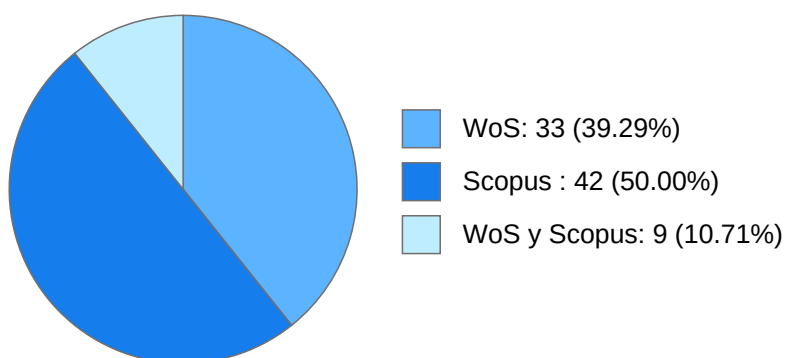
Estímulos, programas, premios y reconocimientos

SNI III 2010 – 2023

ALBERTO CORDERO DAVILA

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Why are Astigmatic surfaces obtained when machines designed for fabricating surfaces with rotational symmetry are used? Experimental results and analysis	ALBERTO CORDERO DAVILA Alonso G.P.L. Mota E.P. et al.	JOURNAL OF OPTICAL TECHNOLOGY	2015
2	Model for frictional forces to reproduce the dragging forces in the polishing process	ALBERTO CORDERO DAVILA Izazaga-Pérez A. González-García J.	Optics InfoBase Conference Papers	2012
3	Motion of the upper member of the working tool of a polishing machine	ALBERTO CORDERO DAVILA Martinez Iriveras, B. A. Pino Mota, E. et al.	JOURNAL OF OPTICAL TECHNOLOGY	2011
4	Local and global surface errors evaluation using Ronchi test, without both approximation and integration	ALBERTO CORDERO DAVILA Gonzalez-Garcia, Jorge Ignacio Robledo-Sanchez, Carlos et al.	APPLIED OPTICS	2011
5	Solving differential equations for phase retrieval in Fourier-transform methods	ALBERTO CORDERO DAVILA Meneses-Fabian C. Rodriguez-Zurita G. et al.	AIP Conference Proceedings	2010

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6	Surface evaluation with Ronchi test by using Malacara formula, genetic algorithms, and cubic splines	ALBERTO CORDERO DAVILA González-García J.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2010
7	Analytical and numerical classification of wear profiles produced with different-shape oscillating tools	ALBERTO CORDERO DAVILA Leal-Cabrera, Irce Gonzalez-Garcia, Jorge	OPTICAL ENGINEERING	2009
8	A proposed design and fabrication of lenses and mirrors from a set of spherical rings that produce desired energy distributions for solar energy applications	ALBERTO CORDERO DAVILA Gonzalez-Garcia, Jorge Vazquez-Montiel, Sergio et al.	SOLAR ENERGY	2009
9	Space Detector TUS for Extreme Energy Cosmic Ray Study	ALBERTO CORDERO DAVILA Abrashkin V. Alexandrov V. et al.	NUCL PHYS B-PROC SUP	2007
10	Correction of the Preston equation for low speeds	ALBERTO CORDERO DAVILA Téllez-Arriaga L. Robledo-Sánchez C.I. et al.	APPLIED OPTICS	2007
11	Use of linear programming to calculate dwell times for the design of petal tools	ALBERTO CORDERO DAVILA Santiago-Alvarado A. González-García J. et al.	APPLIED OPTICS	2007
12	Calculating petal tools by using genetic algorithms	ALBERTO CORDERO DAVILA González-García J. Leal-Cabrera I. et al.	APPLIED OPTICS	2006
13	Exact ray tracing for an adaptive liquid lens with elastic surfaces	ALBERTO CORDERO DAVILA González-García J. Santiago-Alvarado A. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2006
14	Experimental results and wear predictions with free-pinned petal tools	ALBERTO CORDERO DAVILA Cabrera-Peláez V. Cuautle-Cortés J. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2006

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15	Generation of aberration polynomials in a Fourier optical processor using a liquid crystal display	ALBERTO CORDERO DAVILA Robledo-Sánchez C. Bautista-Elivar N.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2006
16	The TUS space fluorescence detector for study of UHECR and other phenomena of variable fluorescence light in the atmosphere	ALBERTO CORDERO DAVILA Abrashkin V. Alexandrov V. et al.	ADVANCES IN SPACE RESEARCH	2006
17	Preparation of the TUS space experiment for UHECR study	ALBERTO CORDERO DAVILA Abrashkin V.I. Alexandrov V.V. et al.	International Journal Of Modern Physics A	2005
18	Generation of aberration polynomials in a Fourier optical processor using a liquid crystal display	ALBERTO CORDERO DAVILA Robledo-Sánchez C. Bautista-Elivar N.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2005
19	Thick lenses free from spherical aberration designed by using exact ray tracing	ALBERTO CORDERO DAVILA Castro-Ramos J. Chavez-Garcia Ma.T. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2005
20	Reconstrucción 3D de la sagita de una superficie en rotación	ALBERTO CORDERO DAVILA Oliva V.I.M. Sánchez C.I.R. et al.	REVISTA MEXICANA DE FISICA	2005
21	Experimental results and wear predictions of petal tools that freely rotate	ALBERTO CORDERO DAVILA Cabrera-Peláez V. Cuautle-Cortés J. et al.	APPLIED OPTICS	2005
22	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
23	KLYPVE/TUS space experiments for study of ultrahigh-energy cosmic rays	ALBERTO CORDERO DAVILA Khrenov B.A. Alexandrov V.V. et al.	PHYSICS OF ATOMIC NUCLEI	2004
24	Low-frequency Fresnel mirrors for fluorescence detectors	ALBERTO CORDERO DAVILA Díaz-Anzures J. Gonzalez-Garcia J. et al.	ASTROPARTICLE PHYSICS	2004

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25	Edge effects with the Preston equation for a circular tool and workpiece	ALBERTO CORDERO DAVILA MARIA HERLINDA PEDRAYES LOPEZ LUIS ALBERTO AGUILAR CHIU et al.	APPLIED OPTICS	2004
26	Testing conical surfaces using digital superposition of of ronchigrams	ALBERTO CORDERO DAVILA Cabrera-Pérez B. Castro-Ramo J. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2004
27	Sensing a wave front by use of a diffraction grating	ALBERTO CORDERO DAVILA N Bautista-Elivar CI Robledo-Sanchez et al.	APPLIED OPTICS	2003
28	Algorithm for the simulation of ronchigrams of arbitrary optical systems and Ronchi grids in generalized coordinates	ALBERTO CORDERO DAVILA J Diaz-Anzures V Cabrera-Pelaez	APPLIED OPTICS	2002
29	Edge effects with preston equation	ESTEBAN ANTOLIN LUNA AGUILAR ALBERTO CORDERO DAVILA MARIA HERLINDA PEDRAYES LOPEZ et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2002
30	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
31	Only one fitting for bironchigrams	ALBERTO CORDERO DAVILA JUAN MANUEL NUÑEZ ALFONSO ESTEBAN ANTOLIN LUNA AGUILAR et al.	APPLIED OPTICS	2001
32	Improved Ronchi tester	JUAN MANUEL NUÑEZ ALFONSO ALBERTO CORDERO DAVILA Vergara-Limon S. et al.	APPLIED OPTICS	2001
33	Ángulo de apuntado para los paneles del gran telescopio milimétrico (GTM)	ESTEBAN ANTOLIN LUNA AGUILAR ALBERTO CORDERO DAVILA Salinas-Luna J. et al.	REVISTA MEXICANA DE FISICA	2001
34	Exact calculation of the circle of least confusion of a rotationally symmetric mirror. II	ALBERTO CORDERO DAVILA Silva-Ortigoza G. Castro-Ramos J.	APPLIED OPTICS	2001

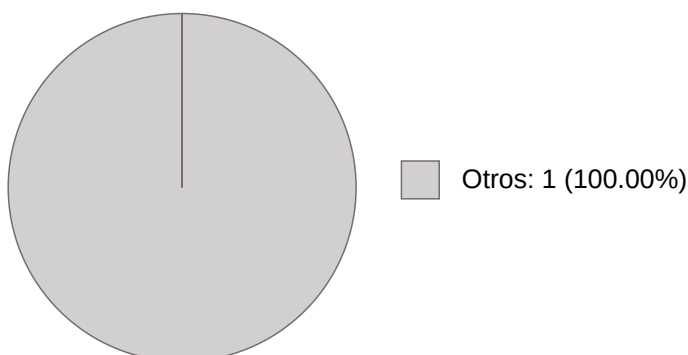
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35	Optical alignment of segmented mirrors to the fluorescence detectors of the Pierre Auger Observatory	ALBERTO CORDERO DAVILA JUAN MANUEL NUÑEZ ALFONSO J Castro-Ramos et al.	APPLIED OPTICS	2000
36	n-Hindle-sphere arrangement with an exact ray trace for testing hyperboloid convex mirrors	ALBERTO CORDERO DAVILA ME Percino-Zacarias	APPLIED OPTICS	1999
37	Simulación de ronchigramas para lentes con superficies toroidales	ALBERTO CORDERO DAVILA Téllez Arriaga L.	REVISTA MEXICANA DE FISICA	1998
38	Polynomial fitting of interferograms with Gaussian errors on fringe coordinates. III. Nonlinear solution	ALBERTO CORDERO DAVILA	APPLIED OPTICS	1998
39	Ronchi test with a square grid	ALBERTO CORDERO DAVILA ESTEBAN ANTOLIN LUNA AGUILAR Vázquez-Montiel S. et al.	APPLIED OPTICS	1998
40	Exact calculation of the circle of least confusion of a rotationally symmetric mirror	ALBERTO CORDERO DAVILA Castro-Ramos J.	APPLIED OPTICS	1998
41	Exact design of aplanatic microscope objectives consisting of two conic mirrors	ALBERTO CORDERO DAVILA Castro-Ramos J. Vazquez-Montiel S. et al.	APPLIED OPTICS	1998
42	Hindle n-spheres in order to prove mirrors convex hyperbolics	ALBERTO CORDERO DAVILA Percino-Zacarias M.E. Cardona-Nunez O. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1996

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Model for frictional forces to reproduce the dragging forces in the polishing process	ALBERTO CORDERO DAVILA Izazaga-Pérez R. González-García J.	Conferenc e Paper	2012	1557529477



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

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DOCENCIA IMPARTIDA

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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