ACHIM MAX LOSKE MEHLING

Datos Generales

Nombre: ACHIM MAX LOSKE MEHLING

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 37 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
Centro de Física Aplicada y Tecnología Avanzada
Desde 16-06-2019

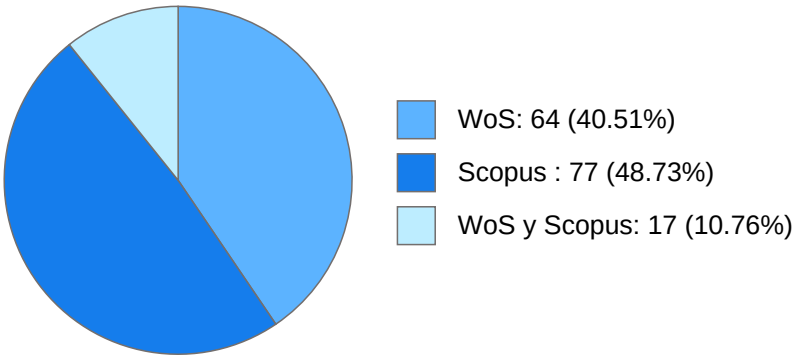
Estímulos, programas, premios y reconocimientos

SNI III 2016 - VIGENTE
SNI II 2012 - 2015
SNI I - 2011
PRIDE D 2016 - 2024
PRIDE C - 2016

ACHIM MAX LOSKE MEHLING

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Underwater Shock Wave-Enhanced Cavitation to Induce Morphological Changes and Cell Permeabilization in Microscopic Fungi	BLANCA EDITH MILLAN CHIU ACHIM MAX LOSKE MEHLING Martínez-Maldonado M.A. et al.	Fluids	2024
2	Simulations of the optical diffraction patterns produced by the pressure field of a clinical shock wave source	ACHIM MAX LOSKE MEHLING REMY FERNAND AVILA FOUCAT Fernando E. Garcia-Ramirez	PHYSICA SCRIPTA	2024
3	Metabolic engineering of Aspergillus niger to enhance production of ethanol	BLANCA EDITH MILLAN CHIU ACHIM MAX LOSKE MEHLING Ara Itzel de los Santos Mondragon et al.	BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY	2023
4	Green Synthesis and Antiproliferative Activity of Gold Nanoparticles of a Controlled Size and Shape Obtained Using Shock Wave Extracts from Amphipterygium adstringens	ACHIM MAX LOSKE MEHLING RODRIGO ALONSO ESPARZA MUÑOZ MIRIAM ROCIO ESTEVEZ GONZALEZ et al.	BIOENGINEERING-BASEL	2023
5	Violin vibration state determined from laser streak patterns	CARLOS TORRES TORRES FRANCISCO FERNANDEZ ESCOBAR MIGUEL DE ICAZA HERRERA et al.	APPLIED ACOUSTICS	2022
6	Highly dispersible and fluorescent graphene-based materials obtained by underwater shock wave-induced oxidative cleavage	ACHIM MAX LOSKE MEHLING ANDRES DE LUNA BUGALLO PEDRO SALAS CASTILLO et al.	FlatChem	2022

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7	Effect of Shock Waves on the Growth of Aspergillus niger Conidia: Evaluation of Germination and Preliminary Study on Gene Expression	BLANCA EDITH MILLAN CHIU ACHIM MAX LOSKE MEHLING Larrañaga-Ordaz D. et al.	Journal Of Fungi	2022
8	Weak shock wave-mediated fucoxanthin extraction from Sargassum spp. and its electrochemical quantification	ACHIM MAX LOSKE MEHLING FRANCISCO FERNANDEZ ESCOBAR MIRIAM ROCIO ESTEVEZ GONZALEZ et al.	ALGAL RESEARCH-BIO MASS BIOFUELS AND BIOPRODUCTS	2022
9	Nanotoxicology in Plants	BLANCA EDITH MILLAN CHIU ACHIM MAX LOSKE MEHLING del Pilar Rodriguez-Torres M.	Nanotechnology In The Life Sciences	2020
10	Shock wave-assisted extraction of phenolic acids and flavonoids from Eysenhardtia polystachya heartwood: A novel method and its comparison with conventional methodologies	GUSTAVO ANDRES MOLINA LABASTIDA ACHIM MAX LOSKE MEHLING MIRIAM ROCIO ESTEVEZ GONZALEZ et al.	ULTRASONICS SONOCHEMISTRY	2020
11	Enhancing the yield of human erythropoietin in Aspergillus niger by introns and CRISPR-Cas9	BLANCA EDITH MILLAN CHIU ACHIM MAX LOSKE MEHLING Rojas-Sánchez U. et al.	PROTEIN EXPRESSION AND PURIFICATION	2020
12	Shock Wave Application Increases the Antineoplastic Effect of Molecular Iodine Supplement in Breast Cancer Xenografts	EVANGELINA DELGADO GONZALEZ LUZ MARIA LOPEZ MARIN BLANCA EDITH MILLAN CHIU et al.	ULTRASOUND IN MEDICINE AND BIOLOGY	2020
13	The influence of the number of shock waves and the energy flux density on the Raman spectrum of collagen type I from rat	ACHIM MAX LOSKE MEHLING Cárcamo-Vega J.J. Brañes M.R. et al.	Shock Waves	2020
14	Nanoparticles and Their Applications in DNA Technology	BLANCA EDITH MILLAN CHIU ACHIM MAX LOSKE MEHLING del Pilar Rodriguez-Torres M.	Nanotechnology In The Life Sciences	2020
15	Kriging model to study the dynamics of a bubble subjected to tandem shock waves as used in biomedical applications	MIGUEL DE ICAZA HERRERA ACHIM MAX LOSKE MEHLING Gutiérrez-Prieto Á. et al.	Ultrasonics	2019
16	Shock waves: A non-shocking way for targeted therapies?: Reply to comments on ?Shock wave-induced permeabilization of mammalian cells?	LUZ MARIA LOPEZ MARIN ANA LEONOR RIVERA LOPEZ ACHIM MAX LOSKE MEHLING et al.	PHYSICS OF LIFE REVIEWS	2018
17	Extracellular Expression in Aspergillus niger of an Antibody Fused to Leishmania sp. Antigens	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING Denis Magana-Ortiz et al.	CURRENT MICROBIOLOGY	2018

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18	Enhanced delignification of lignocellulosic biomass by recombinant fungus phanerochaete chrysosporium overexpressing laccases and peroxidases	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING Coconi Linares N. et al.	JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOGY	2018
19	pMEX01, a 70 kb plasmid isolated from Escherichia coli that confers resistance to multiple beta-lactam antibiotics	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING Hernandez-Flores J.L. et al.	BRAZILIAN JOURNAL OF MICROBIOLOGY	2018
20	Shock wave-induced permeabilization of mammalian cells	LUZ MARIA LOPEZ MARIN ANA LEONOR RIVERA LOPEZ FRANCISCO FERNANDEZ ESCOBAR et al.	PHYSICS OF LIFE REVIEWS	2018
21	Erratum to: Shock Wave-Induced Damage and Poration in Eukaryotic Cell Membranes (The Journal of Membrane Biology, (2017), 250, 1, (41-52), 10.1007/s00232-016-9921-2)	LUZ MARIA LOPEZ MARIN BLANCA EDITH MILLAN CHIU CARMEN YOLANDA ACEVES VELASCO et al.	JOURNAL OF MEMBRANE BIOLOGY	2017
22	Shock Wave- Induced Damage and Poration in Eukaryotic Cell Membranes	LUZ MARIA LOPEZ MARIN BLANCA EDITH MILLAN CHIU CARMEN YOLANDA ACEVES VELASCO et al.	JOURNAL OF MEMBRANE BIOLOGY	2017
23	Dynamic light scattering: A fast and reliable method to analyze bacterial growth during the lag phase	SUSANA VARGAS MUÑOZ BLANCA EDITH MILLAN CHIU ACHIM MAX LOSKE MEHLING et al.	JOURNAL OF MICROBIOLOGICAL METHODS	2017
24	Tandem shock waves in medicine and biology: a review of potential applications and successes	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING Lukes P. et al.	Shock Waves	2016
25	Biomimetic coat enables the use of sonoporation to assist delivery of silica nanoparticle-cargoes into human cells	LUZ MARIA LOPEZ MARIN FRANCISCO FERNANDEZ ESCOBAR PEDRO SALAS CASTILLO et al.	Biointerphases	2016
26	Combined short and long-delay tandem shock waves to improve shock wave lithotripsy according to the Gilmore-Akulichev theory	MIGUEL DE ICAZA HERRERA FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING	Ultrasonics	2015
27	Isolation of a conjugative F-like plasmid from a multidrug-resistant Escherichia coli strain CM6 using tandem shock wave-mediated transformation	ANGEL LUIS RODRIGUEZ MORALES FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING et al.	JOURNAL OF MICROBIOLOGICAL METHODS	2015
28	Recombinant expression of four oxidoreductases in Phanerochaete chrysosporium improves degradation of phenolic and non-phenolic substrates	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING CoconiLinares, Nancy et al.	JOURNAL OF BIOTECHNOLOGY	2015

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29	Efficient transformation of Mycosphaerella fijiensis by underwater shock waves	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING EscobarTovar, Lina et al.	JOURNAL OF MICROBIOLOGICAL METHODS	2015
30	Transformation of Fungi Using Shock Waves	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING Gomez-Lim, Miguel A. et al.	Fungal Biology-Us	2015
31	Physical methods for genetic transformation of fungi and yeast	ANA LEONOR RIVERA LOPEZ FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING et al.	PHYSICS OF LIFE REVIEWS	2014
32	When the boundaries between physics and biology blur: A promising future for fungi as producers of valuable recombinant proteins. Reply to comments on: "Physical methods for genetic transformation of fungi and yeast"	ANA LEONOR RIVERA LOPEZ FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING et al.	PHYSICS OF LIFE REVIEWS	2014
33	Tandem shock waves to enhance genetic transformation of Aspergillus niger	ACHIM MAX LOSKE MEHLING FRANCISCO FERNANDEZ ESCOBAR Magana-Ortiz, Denis et al.	Ultrasonics	2014
34	Escherichia coli viability determination using dynamic light scattering: A comparison with standard methods	ACHIM MAX LOSKE MEHLING SUSANA VARGAS MUÑOZ JOSE ROGELIO RODRIGUEZ TALAVERA et al.	ARCHIVES OF MICROBIOLOGY	2014
35	High-yield production of manganese peroxidase, lignin peroxidase, and versatile peroxidase in Phanerochaete chrysosporium	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING Coconi-Linares, Nancy et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2014
36	Erratum to: High-yield production of manganese peroxidase, lignin peroxidase, and versatile peroxidase in Phanerochaete chrysosporium	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING Coconi-Linares, Nancy et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2014
37	Shock waves and DNA-cationic lipid assemblies: A synergistic approach to express exogenous genes in human cells	BLANCA EDITH MILLAN CHIU ALFREDO VARELA ECHAVARRIA ELISA HORTENSIA TAMARIZ DOMINGUEZ et al.	ULTRASOUND IN MEDICINE AND BIOLOGY	2014
38	Bio-packaged transponder MEMS implanted in rats	JOSE ROGELIO RODRIGUEZ TALAVERA ACHIM MAX LOSKE MEHLING MIRIAM ROCIO ESTEVEZ GONZALEZ et al.	JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION	2013

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39	Out-of-focus low pressure pulse pretreatment to the whole kidney to reduce renal injury during shockwave lithotripsy: An in vivo study using a rabbit model	FRANCISCO FERNANDEZ ESCOBAR Alejandra Dominguez ACHIM MAX LOSKE MEHLING et al.	JOURNAL OF ENDOUROLOGY	2013
40	A novel and highly efficient method for genetic transformation of fungi employing shock waves	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING Magana-Ortiz, Denis et al.	FUNGAL GENETICS AND BIOLOGY	2013
41	RELATIONSHIP BETWEEN PLASMID SIZE AND SHOCK WAVE-MEDIATED BACTERIAL TRANSFORMATION	FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING Campos-Guillen, Juan et al.	ULTRASOUND IN MEDICINE AND BIOLOGY	2012
42	Physical methods for genetic plant transformation	ANA LEONOR RIVERA LOPEZ FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING et al.	PHYSICS OF LIFE REVIEWS	2012
43	Physical methods for genetic transformation in plants	ANA LEONOR RIVERA LOPEZ FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING et al.	PHYSICS OF LIFE REVIEWS	2012
44	ENHANCED SHOCK WAVE-ASSISTED TRANSFORMATION OF ESCHERICHIA COLI	ACHIM MAX LOSKE MEHLING FRANCISCO FERNANDEZ ESCOBAR Campos-Guillen, Juan et al.	ULTRASOUND IN MEDICINE AND BIOLOGY	2011
45	Modified shock waves for extracorporeal shock wave lithotripsy: A simulation based on the Gilmore formulation	Guillermo Canseco MIGUEL DE ICAZA HERRERA FRANCISCO FERNANDEZ ESCOBAR et al.	Ultrasonics	2011
46	In vivo evaluation of implanthost tissue interaction using morphology-controlled hydroxyapatite-based biomaterials	JOSE ROGELIO RODRIGUEZ TALAVERA ACHIM MAX LOSKE MEHLING FRANCISCO FERNANDEZ ESCOBAR et al.	JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION	2011
47	The role of energy density and acoustic cavitation in shock wave lithotripsy	ACHIM MAX LOSKE MEHLING	Ultrasonics	2010
48	Percutaneous Renal Access: The Learning Curve of a Simplified Approach	ACHIM MAX LOSKE MEHLING Negrete-Pulido, Oscar Molina-Torres, Marnes et al.	JOURNAL OF ENDOUROLOGY	2010
49	Interaction of Intracorporeal Lithotripters with Proteus mirabilis Inoculated Inside Artificial Calcium and Struvite Stones	Ulises M. Alvarez FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING et al.	JOURNAL OF ENDOUROLOGY	2009
50	The Importance of an Expansion Chamber During Standard and Tandem Extracorporeal Shock Wave Lithotripsy	Gilberto Fernandez ACHIM MAX LOSKE MEHLING Fernandez, F	JOURNAL OF ENDOUROLOGY	2009
51	Treatment Time Reduction Using Tandem Shockwaves for Lithotripsy: An In Vivo Study	FRANCISCO FERNANDEZ ESCOBAR Gilberto Fernandez ACHIM MAX LOSKE MEHLING	JOURNAL OF ENDOUROLOGY	2009

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52	Inactivation of bacteria inoculated inside urinary stone-phantoms using intracorporeal lithotripters	Ulises M. Alvarez FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING et al.	UROL RES	2008
53	The influence of single-pulse and tandem shock waves on bacteria	Ulises M. Alvarez FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING et al.	Shock Waves	2008
54	Interaction of shockwaves with infected kidney stones: Is there a bactericidal effect?	Maria Del Sol Quintero Ulises M. Alvarez MARIA DEL CARMEN WACHER RODARTE et al.	JOURNAL OF ENDOUROLOGY	2008
55	In-vivo relation between CT attenuation value and shockwave fragmentation	ACHIM MAX LOSKE MEHLING Hurtado F. Gutiérrez J. et al.	JOURNAL OF ENDOUROLOGY	2007
56	Percutaneous renal access: A simplified approach	ACHIM MAX LOSKE MEHLING Mues E. Gutiérrez J.	JOURNAL OF ENDOUROLOGY	2007
57	Bacteria inactivation during lithotripsy	JORGE ALBERTO GUTIERREZ GALLEGOS FERNANDO FERNANDEZ RAMIREZ ACHIM MAX LOSKE MEHLING et al.	AIP Conference Proceedings	2006
58	Computed tomography of kidney stones for extracorporeal shock wave lithotripsy	ACHIM MAX LOSKE MEHLING Rodríguez A.O. Cadena M. et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2006
59	Computed tomography of kidney stones for extracorporeal shock wave lithotripsy.	ACHIM MAX LOSKE MEHLING Rodríguez A.O. Cadena M. et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2006
60	CT attenuation value and shockwave fragmentation	ACHIM MAX LOSKE MEHLING Favela R. Gutierrez J. et al.	JOURNAL OF ENDOUROLOGY	2005
61	Dual pulse shock wave lithotripsy: In vitro and in vivo study	ACHIM MAX LOSKE MEHLING Fernandez F. Zendejas H. et al.	JOURNAL OF UROLOGY	2005
62	Increased fragmentation efficiency by enhancement of cavitation for extracorporal shock wave lithotripsy [Steigerung der fragmentationseffizienz durch verstärkung von kavitation zur berührungsfreien nierensteinzertrümmerung]	ACHIM MAX LOSKE MEHLING Fernández F. Gutiérrez J.	Z MED PHYS	2005
63	Evaluation of a Bifocal Reflector on a Clinical Lithotripter	ACHIM MAX LOSKE MEHLING Prieto F.E. Gutierrez J. et al.	JOURNAL OF ENDOUROLOGY	2004

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64	Out-of-focus shockwaves: A new tissue-protecting therapy?	ACHIM MAX LOSKE MEHLING Gutierrez J. Di Grazia E.D. et al.	ARCHIVIO ITALIANO DI UROLOGIA E ANDROLOGIA	2004
65	Inactivation of Escherichia coli O157:H7, Salmonella Typhimurium and Listeria monocytogenes by underwater shock waves	ACHIM MAX LOSKE MEHLING Alvarez U.M. Castaño-Tostado E. et al.	INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES	2004
66	Conversion of an HM3 Lithotripter into a Research Device	ACHIM MAX LOSKE MEHLING Méndez A. Fernández F. et al.	JOURNAL OF ENDOUROLOGY	2003
67	Bactericidal effect of underwater shock waves on Escherichia coli ATCC 10536 suspensions	ACHIM MAX LOSKE MEHLING Alvarez U.M. Hernández-Galicia C. et al.	INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES	2002
68	Piezoelectric tandem shock wave generation for extracorporeal shock wave lithotripters	ACHIM MAX LOSKE MEHLING Prieto F.E. Van Cauwelaert J. et al.	Physica Medica-European Journal of Medical Physics	2002
69	Pressure-release versus rigid reflector for extracorporeal shockwave lithotripsy	ACHIM MAX LOSKE MEHLING Prieto F.E.	JOURNAL OF ENDOUROLOGY	2002
70	Tandem shock wave cavitation enhancement for extracorporeal lithotripsy	ACHIM MAX LOSKE MEHLING Prieto F.E. Fernández F. et al.	PHYSICS IN MEDICINE AND BIOLOGY	2002
71	Dual-phase reflectors for extracorporeal shock wave lithotripsy	ACHIM MAX LOSKE MEHLING Prieto F.E.	Physica Medica-European Journal of Medical Physics	2001
72	Two-dimensional optical filtering with a phase space correlator	ACHIM MAX LOSKE MEHLING VICTOR MANUEL CASTAÑO MENESES Avilés R.	Optik	1999
73	Bifocal reflector for electrohydraulic lithotripters	ACHIM MAX LOSKE MEHLING Prieto F.E.	JOURNAL OF ENDOUROLOGY	1999
74	Repeated application of shock waves as a possible method for food preservation	ACHIM MAX LOSKE MEHLING Prieto F.E. Zavala M.L. et al.	Shock Waves	1999
75	Two-dimensional spatial correlator for lens-free image processing	ACHIM MAX LOSKE MEHLING VICTOR MANUEL CASTAÑO MENESES Ballesteros L.	Optik	1996
76	Structural studies of a gallosilicate of the ZSM-5 type zeolite using high resolution electron microscopy, optical diffractometry and linear image processing	DWIGHT ROBERTO ACOSTA NAJARRO ACHIM MAX LOSKE MEHLING Schifter I. et al.	MICROPOROUS MATER	1993

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77	The influence of electrode shape on the performance of electrohydraulic lithotripters.	ACHIM MAX LOSKE MEHLING Prieto F.E.	The Journal Of Stone Disease	1993
78	An underwater shock wave research device	ACHIM MAX LOSKE MEHLING Prieto F.E. Yarger F.L.	REVIEW OF SCIENTIFIC INSTRUMENTS	1991

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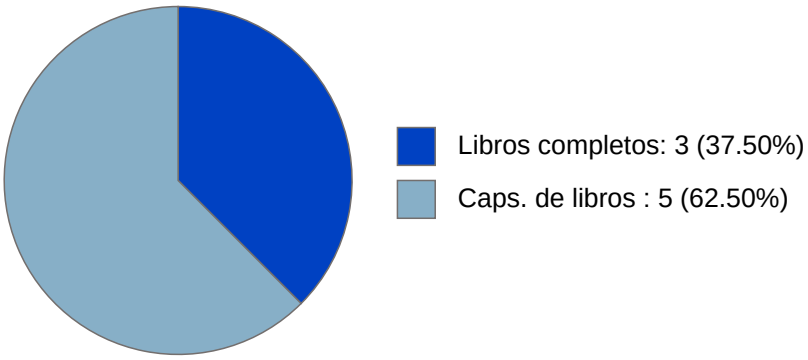
LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	El reloj solar	ACHIM MAX LOSKE MEHLING	Libro Completo	2022	9786073061834
2	Medical and Biomedical Applications of Shock Waves	ACHIM MAX LOSKE MEHLING	Libro Completo	2016	9783319475707
3	Transformation of Fungi Using Shock Waves	ACHIM MAX LOSKE MEHLING	Capítulo de un Libro	2015	9783319101415
4	New Trends in Shock Wave Applications to Medicine and Biotechnology	ACHIM MAX LOSKE MEHLING Achim M. Loske	Libro Completo	2011	9788130803876
5	Infected Urinary Stones, Endotoxins and Urosepsis	FRANCISCO FERNANDEZ ESCOBAR LUZ MARIA LOPEZ MARIN ACHIM MAX LOSKE MEHLING	Capítulo de un Libro	2011	9789533073934
6	The development of tandem extracorporeal shock wave lithotripsy	ACHIM MAX LOSKE MEHLING FRANCISCO FERNANDEZ ESCOBAR	Capítulo de un Libro	2011	9788130803876
7	Bactericidal Effect of Shock Waves: State of the Art	ACHIM MAX LOSKE MEHLING	Capítulo de un Libro	2011	9788130803876
8	What are shock waves?	ACHIM MAX LOSKE MEHLING	Capítulo de un Libro	2011	9781848003613

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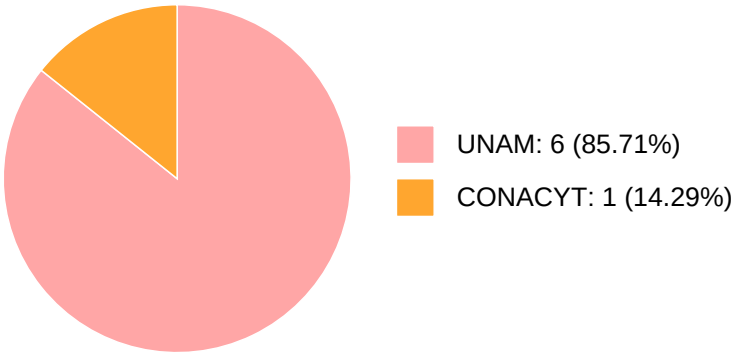
PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Evaluación del daño renal post aplicación de ondas de choque mono-pulso y tándem, mediante resonancia magnética y análisis histopatológico	ACHIM MAX LOSKE MEHLING	Presupuesto de la UNAM asignado a la Dependencia	01-01-2015	06-12-2019
2	Transformación de bacterias de interés clínico con ondas de choque	ACHIM MAX LOSKE MEHLING	Presupuesto de la UNAM asignado a la Dependencia	01-10-2016	01-12-2021
3	Transfección in vitro e in vivo de células de tumores de mama usando ondas de choque.	ACHIM MAX LOSKE MEHLING	Presupuesto de la UNAM asignado a la Dependencia	01-01-2015	30-12-2022
4	Métodos físicos de trasformación genética para microorganismos de importancia médica y tecnológica	ACHIM MAX LOSKE MEHLING	Presupuesto de la UNAM asignado a la Dependencia	20-10-2014	19-10-2019
5	Expresión de genes de señalización involucrados en el mantenimiento de la integridad de la pared celular y respuesta al estrés producido por ondas de choque en el hongo aspergillus niger.	ACHIM MAX LOSKE MEHLING	Recursos CONACYT	01-10-2019	31-10-2022

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6	Expresión de genes de señalización involucrados en el mantenimiento de la integridad de la pared celular y respuesta al estrés producido por ondas de choque en el hongo aspergillus niger.	ACHIM MAX LOSKE MEHLING	Presupuesto de la UNAM asignado a la Dependencia	01-01-2023	31-12-2024
7	Transformación de hongos filamentosos con ondas de choque para aplicaciones industriales.	ACHIM MAX LOSKE MEHLING	Presupuesto de la UNAM asignado a la Dependencia	01-08-2011	31-12-2025

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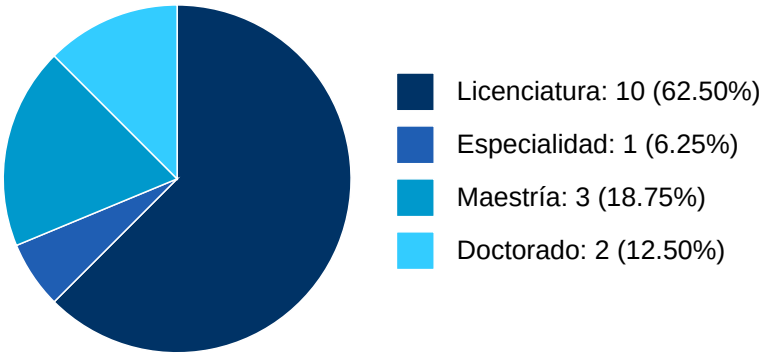
PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Efecto de ondas de choque monopulso y tándem sobre la pared celular de conidios del hongo aspergillus niger	Tesis de Doctorado	ACHIM MAX LOSKE MEHLING,	Larrañaga Ordaz, Daniel,	Centro de Física Aplicada y Tecnología Avanzada,	2022
2	Influencia de las ondas de choque en células pulpares y osteoblastos	Tesis de Especialidad	FRANCISCO FERNANDEZ ESCOBAR,	RENE GARCIA CONTRERAS, GISEL GARCIA GARCIA, et al.	Centro de Física Aplicada y Tecnología Avanzada, Escuela Nacional de Estudios Superiores, Unidad León, Guanajuato,	2021
3	Preparación de liposomas unilaminares y encapsulación simultánea de DNA mediante ondas de choque	Tesis de Licenciatura	LUZ MARIA LOPEZ MARIN,	ACHIM MAX LOSKE MEHLING, Sánchez Téllez, Alma Athenas,	Centro de Física Aplicada y Tecnología Avanzada,	2020

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4	Estudio de la interacción de ondas de choque con embriones de Drosophila melanogaster empleando nanopartículas como marcadores	Tesis de Licenciatura	ACHIM MAX LOSKE MEHLING,	JUAN RAFAEL RIESGO ESCOVAR, Tapia Merino, Daniel,	Centro de Física Aplicada y Tecnología Avanzada, Instituto de Neurobiología en Querétaro, Querétaro,	2019
5	Evaluación de un generador de ondas de choque de doble cabezal para aplicaciones biomédicas	Tesis de Licenciatura	FRANCISCO FERNANDEZ ESCOBAR,	ACHIM MAX LOSKE MEHLING, Cortés González, José Germán,	Centro de Física Aplicada y Tecnología Avanzada,	2017
6	Efectos y mecanismos de la aplicación de ondas de choque en células humanas	Tesis de Licenciatura	LUZ MARIA LOPEZ MARIN,	ACHIM MAX LOSKE MEHLING, Castaño González, Karen,	Centro de Física Aplicada y Tecnología Avanzada,	2015
7	Hidrodinámica de una burbuja expuesta a ondas de choque novedosas : videograbaciones de alta velocidad	Tesis de Licenciatura	FRANCISCO FERNANDEZ ESCOBAR,	ACHIM MAX LOSKE MEHLING, López Roa, Carlos,	Centro de Física Aplicada y Tecnología Avanzada,	2014
8	Temporalidad de los fenómenos físicos involucrados en la generación electrohidráulica de ondas de choque	Tesis de Licenciatura	ACHIM MAX LOSKE MEHLING,	Fernandez Domínguez, Eduardo,	Centro de Física Aplicada y Tecnología Avanzada,	2012
9	Detección y control de cavitación en un generador de ondas de choque tándem multifuncional	Tesis de Doctorado	ACHIM MAX LOSKE MEHLING,	Canseco López, Guillermo,	Centro de Física Aplicada y Tecnología Avanzada,	2012
10	Elaboración y estandarización de cálculos renales artificiales infectados	Tesis de Licenciatura	ACHIM MAX LOSKE MEHLING,	Luna Suárez, Armando,	Centro de Física Aplicada y Tecnología Avanzada,	2011

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11	Estudios en vivo sobre la fragmentación de urolitos mediante litotricia extracorpórea tándem	Tesis de Licenciatura	ACHIM MAX LOSKE MEHLING,	Fernández Domínguez, Gilberto,	Centro de Física Aplicada y Tecnología Avanzada,	2008
12	Interaccion de ondas de choque con calculos renales artificiales inoculados con una cepa de Salmonella Typhimurium	Tesis de Maestría	ACHIM MAX LOSKE MEHLING,	Quintero Castelan, Maria del Sol,		2006
13	Evaluacion histopatologica de lesiones renales provocadas por un generador de ondas de choque tandem para litotripsia extracorporal	Tesis de Maestría	ACHIM MAX LOSKE MEHLING,	Zendejas Martínez, Horacio,		2005
14	Cavitacion controlada por dos ondas de choque y su aplicacion a litotripsia extracorporal	Tesis de Licenciatura	ACHIM MAX LOSKE MEHLING,	Van Cauwelaert Amuchastegui, Javier,		2001
15	Diseño de un dispositivo de tomografía óptica	Tesis de Maestría	ACHIM MAX LOSKE MEHLING,	García Guerrero, Jorge Jaime,		2001
16	Aplicacion de ondas de choque a Esquerichia coli como alternativa a la conservacion de alimentos	Tesis de Licenciatura	ACHIM MAX LOSKE MEHLING,	Hernandez Galicia, Claudia,		1999

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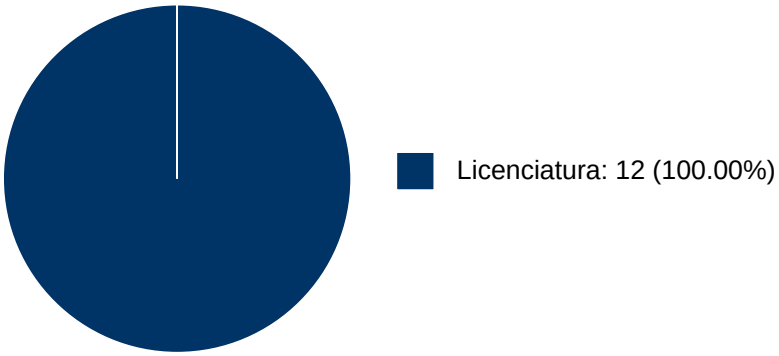
DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	ECUACIONES DIFERENCIALES I	Centro de Física Aplicada y Tecnología Avanzada	15	2018-1
2	Licenciatura	CALCULO II	Centro de Física Aplicada y Tecnología Avanzada	14	2017-2
3	Licenciatura	CALCULO I	Centro de Física Aplicada y Tecnología Avanzada	16	2017-1
4	Licenciatura	ESTANCIA DE INVESTIGACION VI	Centro de Física Aplicada y Tecnología Avanzada	20	2014-2
5	Licenciatura	CALCULO II	Centro de Física Aplicada y Tecnología Avanzada	24	2014-2
6	Licenciatura	ECUACIONES DIFERENCIALES I	Centro de Física Aplicada y Tecnología Avanzada	18	2014-1
7	Licenciatura	CALCULO II	Centro de Física Aplicada y Tecnología Avanzada	19	2013-2
8	Licenciatura	CALCULO I	Centro de Física Aplicada y Tecnología Avanzada	20	2013-1
9	Licenciatura	CALCULO II	Centro de Física Aplicada y Tecnología Avanzada	20	2012-2
10	Licenciatura	ECUACIONES DIFERENCIALES I	Centro de Física Aplicada y Tecnología Avanzada	23	2012-1
11	Licenciatura	ECUACIONES DIFERENCIALES I	Centro de Física Aplicada y Tecnología Avanzada	13	2011-1
12	Licenciatura	ESTANCIA DE INVESTIGACION II	Centro de Física Aplicada y Tecnología Avanzada	28	2008-2

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PATENTES

#	Título	Inventores	Sección	Año
1	METODO DE TRANSFORMACION DE HONGOS FILAMENTOSOS POR MEDIO DEONDAS DE CHOQUE.	ACHIM MAX LOSKE MEHLING, FRANCISCO FERNANDEZ ESCOBAR,	CHEMISTRY; METALLURGY	2016

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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