



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

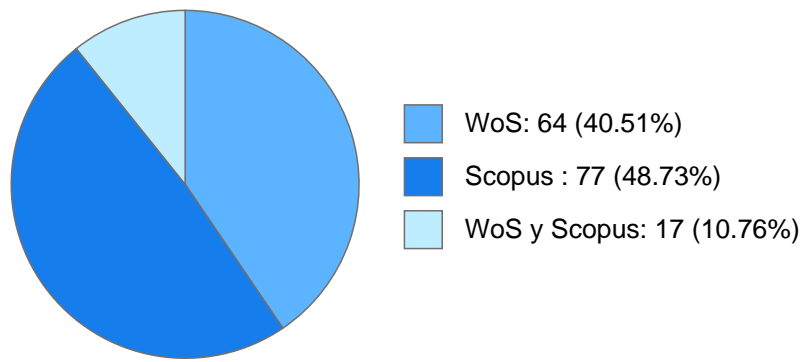
Estímulos, programas, premios y reconocimientos

SNI III 2016 - 2024
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 <i>Aspergillus niger</i> 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 <i>Amphipterygium adstringens</i> | ACHIM MAX LOSKE MEHLING RODRIGO ALONSO ESPARZA MUÑOZ MIRIAM ROCIO ESTEVEZ GONZALEZ et al. | BIOENGINEERING-G-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 |

ACHIM MAX LOSKE MEHLING

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| 7 | Effect of Shock Waves on the Growth of <i>Aspergillus niger</i> 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 <i>Sargassum</i> 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 Rodríguez-Torres M. | Nanotechnology and In The Life Sciences | 2020 |
| 10 | Shock wave-assisted extraction of phenolic acids and flavonoids from <i>Eysenhardtia polystachya</i> 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 <i>Aspergillus niger</i> 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 Rodríguez-Torres M. | Nanotechnology and 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 <i>Aspergillus niger</i> of an Antibody Fused to <i>Leishmania</i> sp. Antigens | FRANCISCO FERNANDEZ ESCOBAR ACHIM MAX LOSKE MEHLING Denis Magana-Ortiz et al. | CURRENT MICROBIOLOGY | 2018 |

ACHIM MAX LOSKE MEHLING

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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 |

ACHIM MAX LOSKE MEHLING

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| 29 | Efficient transformation of <i>Mycosphaerella fijiensis</i> 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 <i>Aspergillus niger</i> | ACHIM MAX LOSKE MEHLING FRANCISCO FERNANDEZ ESCOBAR Magana-Ortiz, Denis et al. | Ultrasonics | 2014 |
| 34 | <i>Escherichia coli</i> 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 <i>Phanerochaete chrysosporium</i> | 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 <i>Phanerochaete chrysosporium</i> | 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 |

ACHIM MAX LOSKE MEHLING

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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 implant host 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 Vivo Study | FRANCISCO FERNANDEZ ESCOBAR Gilberto Fernandez ACHIM MAX LOSKE MEHLING | JOURNAL OF ENDOUROLOGY | 2009 |

ACHIM MAX LOSKE MEHLING

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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 extracorporeal 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 |

ACHIM MAX LOSKE MEHLING

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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-Europe an 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-Europe an 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 |



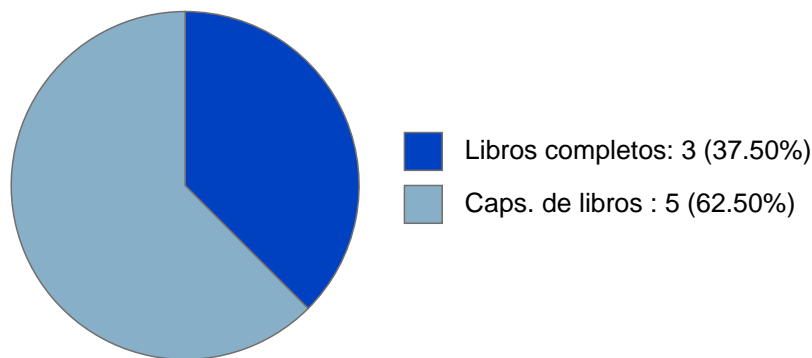
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| 77 | The influence of electrode shape on the performance of electrohydraulic lithotripters. | ACHIM MAX LOSKE MEHLING Prieto F.E. | The Journal Of Stone Disease | 1993 |
| 78 | An underwater shock wave research device | ACHIM MAX LOSKE MEHLING Prieto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

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

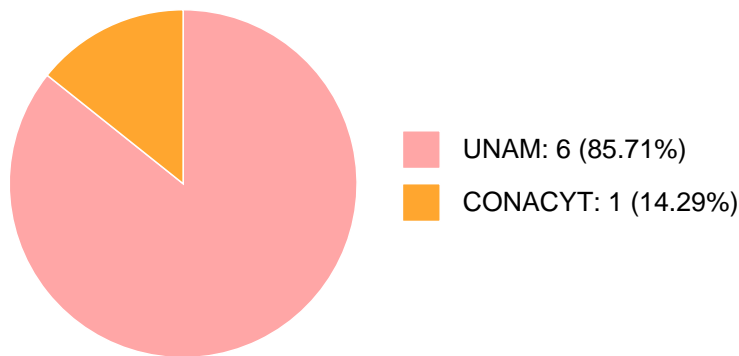


| # | Título | Autores | Alcance | Año | ISBN |
|---|---|--|-------------------------|------|---------------|
| 1 | El reloj solar | ACHIM MAX LOSKE MEHLING | Libro Completo | 2022 | 9786073061834 |
| 2 | Medical and Biomedical Applications of Shock Waves | ACHIM MAX LOSKE MEHLING | Libro Completo | 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 transformación 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 |



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



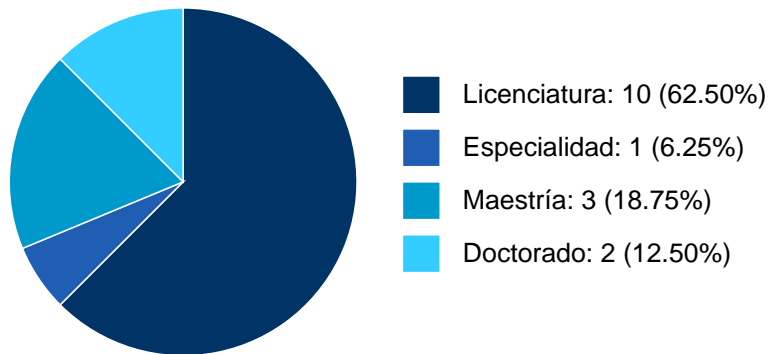
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| 6 | Expresión de genes de señalización involucrados en el mantenimiento de la integridad de la pared celular y respuesta al estrés producido por ondas de choque en el hongo aspergillus niger. | ACHIM MAX LOSKE MEHLING | Presupuesto de la UNAM asignado 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 | 31-01-2024 |

ACHIM MAX LOSKE MEHLING

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



| # | Título del documento | Tipo de Tesis | Sinodales | Autores | Entidad | Año |
|---|---|-----------------------|------------------------------|--|--|------|
| 1 | Efecto de ondas de choque monopolso 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 |

ACHIM MAX LOSKE MEHLING

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| 4 | Estudio de la interacción de ondas de choque con embriones de <i>Drosophila melanogaster</i> empleando nanopartículas como marcadores | Tesis de Licenciatura | ACHIM MAX LOSKE MEHLING, | JUAN RAFAEL RIESGO ESCOBAR, 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 |

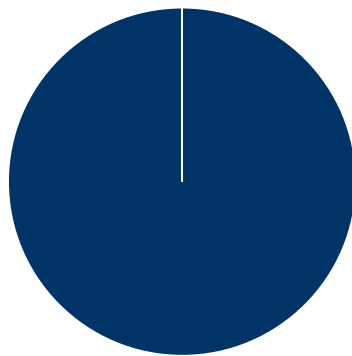
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|----|---|-----------------------|--------------------------|--------------------------------------|--|------|
| 11 | Estudios en vivo sobre la fragmentación de urolitos mediante litotricia extracorpórea tándem | Tesis de Licenciatura | ACHIM MAX LOSKE 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 Escherichia 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



■ Licenciatura: 12 (100.00%)

| # | 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 |



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



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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 | 2008-2024 |
| 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 |