



ABRAHAM MADARIAGA MAZON

Datos Generales

Nombre: ABRAHAM MADARIAGA MAZON

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 15 años

Nombramientos

Vigente: TECNICO ACADEMICO ASOCIADO C TC No Definitivo
Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas
Desde 01-02-2022

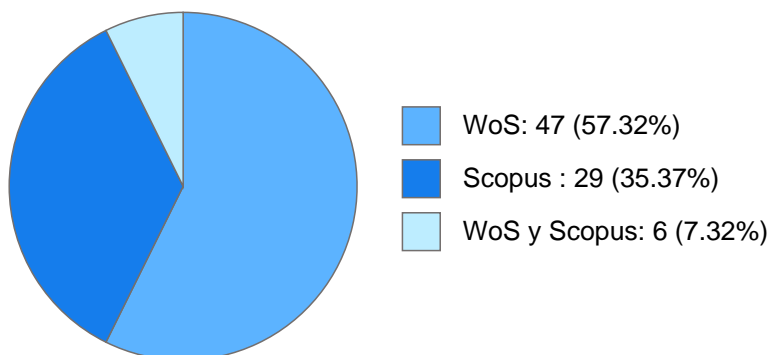
Estímulos, programas, premios y reconocimientos

SNI II 2023 - 2024
SNI I 2016 - 2022
EQUIVALENCIA PRIDE B 2019 - 2024
EQUIVALENCIA PRIDE B 2015 - 2016

ABRAHAM MADARIAGA MAZON

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Antidiabetic Potential of a Trimeric Anthranilic Acid Peptide Isolated from <i>Malbranchea flocciformis</i>	DANIELA REBOLLAR RAMOS BERENICE OVALLE MAGALLANES MARIANO JACOME REBOLLO et al.	CHEMISTRY & BIODIVERSITY	2024
2	Discovery of inhibitors of protein tyrosine phosphatase 1B contained in a natural products library from Mexican medicinal plants and fungi using a combination of enzymatic and in silico methods	MIRIAM DIAZ ROJAS MARTIN GONZALEZ ANDRADE RODRIGO AGUAYO ORTIZ et al.	FRONTIERS IN PHARMACOLOGY	2023
3	Lipase inhibitory activity of constituents of <i>Physalis glutinosa</i> and <i>Physalis latiphysa</i>	EMMA MALDONADO JIMENEZ BERENICE OVALLE MAGALLANES ABRAHAM MADARIAGA MAZON et al.	MEDICINAL CHEMISTRY RESEARCH	2023
4	Protein tyrosine phosphatase 1B inhibitory activity of compounds from <i>Justicia spicigera</i> (Acanthaceae)	ARACELI PEREZ VASQUEZ MIRIAM DIAZ ROJAS ISABEL DEL CARMEN RIVERO CRUZ et al.	Phytochemistry	2022
5	Subtle structural differences of nucleotide analogs may impact SARS-CoV-2 RNA-dependent RNA polymerase and exoribonuclease activity	ABRAHAM MADARIAGA MAZON ARTURO CARLOS II BECERRA BRACHO RICARDO HERNANDEZ MORALES et al.	Computational and Structural Biotechnology Journal	2022
6	Union is strength: antiviral and anti-inflammatory drugs for COVID-19	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA NAVEJA J.J. et al.	DRUG DISCOVERY TODAY	2021

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7	DiaNat-DB: A molecular database of antidiabetic compounds from medicinal plants	ABRAHAM MADARIAGA MAZON JOSE DE JESUS NAVEJA ROMERO JOSE LUIS MEDINA FRANCO et al.	RSC ADVANCES	2021
8	Predictive Global Models of Cruzain Inhibitors with Large Chemical Coverage	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA Jose Guadalupe Rosas-Jimenez et al.	Acs Omega	2021
9	Bias-inducing allosteric binding site in mu-opioid receptor signaling	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA Andres F. Marmolejo-Valencia	Sn Applied Sciences	2021
10	Encoding mu-opioid receptor biased agonism with interaction fingerprints	RICARDO BRUNO HERNANDEZ ALVARADO ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA et al.	JOURNAL OF COMPUTER-AIDED MOLECULAR DESIGN	2021
11	The impact of chemoinformatics on drug discovery in the pharmaceutical industry	KARINA MARTINEZ MAYORGA ABRAHAM MADARIAGA MAZON JOSE LUIS MEDINA FRANCO et al.	EXPERT OPINION ON DRUG DISCOVERY	2020
12	DARK Classics in Chemical Neuroscience: Salvinorin A	ABRAHAM MADARIAGA MAZON ALFREDO ROBERTO ORTEGA HERNANDEZ KARINA MARTINEZ MAYORGA et al.	ACS CHEMICAL NEUROSCIENCE	2020
13	Network Pharmacology Uncovers Anticancer Activity of Mammea-Type Coumarins from Calophyllum brasiliense	RUTH RINCON HEREDIA ABRAHAM MADARIAGA MAZON EDGAR FLORES SOTO et al.	PLANTA MEDICA	2019
14	Distribution of toxicity values across different species and modes of action of pesticides from PESTIMEP and PPDB databases	ABRAHAM MADARIAGA MAZON JUAN CARLOS GARCIA RAMOS FERNANDO CORTES GUZMAN et al.	TOXICOLOGY RESEARCH	2019
15	Local vs global models for the prediction of acute oral toxicity in rat	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA Bruno Hernandez et al.	Abstracts Of Papers Of The American Chemical Society	2019
16	(Q) SAR, agrochemicals & regulation: The role of the computational and chemical biology group at Unam, Mexico	ABRAHAM MADARIAGA MAZON JOAQUIN BARROSO FLORES FERNANDO CORTES GUZMAN et al.	Abstracts Of Papers Of The American Chemical Society	2019
17	Learn deep before deep learning	KARINA MARTINEZ MAYORGA ABRAHAM MADARIAGA MAZON Gabriela Gomez Jimenez	Abstracts Of Papers Of The American Chemical Society	2019

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18	Classification models of pesticides by mode of action	FERNANDO CORTES GUZMAN ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA et al.	Abstracts Of Papers Of The American Chemical Society	2019
19	Flexibility at different stages of mechanism of activation of the GPCR-prototype agrees with local motions explored by molecular dynamics simulations	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA Karla Gonzalez Ponce	Abstracts Of Papers Of The American Chemical Society	2019
20	Pharmacophore generation of mu-opioid receptor biased-ligands: Uncovering structural features from molecular modeling analysis	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA Bruno Hernandez	Abstracts Of Papers Of The American Chemical Society	2019
21	Prediction of toxicity of secondary metabolites	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA Ricardo Bruno Hernandez-Alvarado	Physical Sciences Reviews	2019
22	Toxicity of secondary metabolites	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA Ricardo Bruno Hernandez-Alvarado et al.	Physical Sciences Reviews	2019
23	The OECD Principles for (Q)SAR Models in the Context of Knowledge Discovery in Databases (KDD)	ABRAHAM MADARIAGA MAZON JOAQUIN BARROSO FLORES FERNANDO CORTES GUZMAN et al.	Advances in Protein Chemistry and Structural Biology	2018
24	Outlook on the development of antidiabetic compounds: Databases, scaffolds and current trends	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA	Abstracts Of Papers Of The American Chemical Society	2018
25	Search of biased mu-opioid receptor ligands from nature	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA Andres Marmolejo	Abstracts Of Papers Of The American Chemical Society	2018
26	Exploring opioid receptor-ligand binding patterns, as a fingerprint to identify potential biased agonists	KARINA MARTINEZ MAYORGA ABRAHAM MADARIAGA MAZON CESAR RAUL GARCIA JACAS	Abstracts Of Papers Of The American Chemical Society	2017

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27	Antidiabetic and Antihyperalgesic Effects of a Decoction and Compounds from <i>Acourtia thurberi</i>	ABRAHAM MADARIAGA MAZON ISABEL DEL CARMEN RIVERO CRUZ ROBERT ARTHUR BYE BOETTLER et al.	PLANTA MEDICA	2017
28	alpha-Glucosidase Inhibitors from <i>Malbranchea flavorosea</i>	DANIELA REBOLLAR RAMOS ARACELI PEREZ VASQUEZ ANA LAURA MARTINEZ MARTINEZ et al.	JOURNAL OF NATURAL PRODUCTS	2017
29	alpha-Glucosidase Inhibitors from <i>Preussia minimoides</i>	ISABEL DEL CARMEN RIVERO CRUZ ABRAHAM MADARIAGA MAZON MARIO ALBERTO FIGUEROA SALDIVAR et al.	JOURNAL OF NATURAL PRODUCTS	2017
30	Perezone as corrosion inhibitor for AISI 1018 steel immersed in NaCl saturated with CO ₂	FRANCISCO JAVIER RODRIGUEZ GOMEZ RACHEL MATA ESSAYAG ABRAHAM MADARIAGA MAZON et al.	JOURNAL OF SOLID STATE ELECTROCHEMIS TRY	2017
31	Mu-Opioid receptor biased ligands: A safer and painless discovery of analgesics?	ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA Marmolejo-Valencia, Andres F. et al.	DRUG DISCOVERY TODAY	2017
32	Insights into molecular interactions between CaM and its inhibitors from molecular dynamics simulations and experimental data	MARTIN GONZALEZ ANDRADE ROGELIO RODRIGUEZ SOTRES ABRAHAM MADARIAGA MAZON et al.	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2016
33	Development and validation of an RP-UPLC-ESI/MS method for quantifying the active constituents in <i>Acourtia thurberi</i> decoction	ANA LAURA MARTINEZ MARTINEZ ABRAHAM MADARIAGA MAZON RACHEL MATA ESSAYAG et al.	PLANTA MEDICA	2016
34	alpha-Glucosidase inhibitors from <i>Malbranchea flavorosea</i>	ABRAHAM MADARIAGA MAZON DANIELA REBOLLAR RAMOS LAURA CECILIA FLORES BOCANEGRA et al.	PLANTA MEDICA	2016
35	Two new polyhydroxylated compounds from the fungus <i>Malbranchea circinata</i> with alpha-glucosidase inhibitory properties	ABRAHAM MADARIAGA MAZON LAURA CECILIA FLORES BOCANEGRA RACHEL MATA ESSAYAG et al.	PLANTA MEDICA	2016
36	Mechanisms of action of antihyperglycemic mexicanolides isolated from <i>Swietenia humillis</i> : in vivo and in silico approaches	BERENICE OVALLE MAGALLANES ABRAHAM MADARIAGA MAZON ANDRES NAVARRETE CASTRO et al.	PLANTA MEDICA	2016
37	Potent anti-calmodulin activity of cyclotetrapeptides isolated from <i>isaria fumosorosea</i> using a newly designed biosensor	ABRAHAM MADARIAGA MAZON MARTIN GONZALEZ ANDRADE CONCEPCION TORIELLO NAJERA et al.	NATURAL PRODUCT COMMUNICATIO NS	2015

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38	Insights on the vasorelaxant mode of action of malbrancheamide	ABRAHAM MADARIAGA MAZON SAMUEL ENOCH ESTRADA SOTO RACHEL MATA ESSAYAG et al.	JOURNAL OF PHARMACY AND PHARMACOLOG Y	2015
39	Calmodulin inhibitors from natural sources: An update	RACHEL MATA ESSAYAG MARIO ALBERTO FIGUEROA SALDIVAR MARTIN GONZALEZ ANDRADE et al.	JOURNAL OF NATURAL PRODUCTS	2015
40	Alpha-glucosidase inhibitors from <i>Sporormiella minimoides</i>	M. RangelGrimaldo ABRAHAM MADARIAGA MAZON ISABEL DEL CARMEN RIVERO CRUZ et al.	PLANTA MEDICA	2015
41	Hypoglycemic and antihyperglycemic activities of an aqueous extract and compounds from <i>Acourtia thurberi</i> roots	A. L. Martinez ABRAHAM MADARIAGA MAZON MARIA EDELMIRA LINARES MAZARI et al.	PLANTA MEDICA	2015
42	Calmodulin inhibitory properties of beauverolides isolated from <i>Paecilomyces fumosoroseus</i>	ABRAHAM MADARIAGA MAZON MARTIN GONZALEZ ANDRADE C. Toriello et al.	PLANTA MEDICA	2014
43	Importance of the interaction protein-protein of the CaM-PDE1A and CaM-MLCK complexes in the development of new anti-CaM drugs	MARTIN GONZALEZ ANDRADE RACHEL MATA ESSAYAG ABRAHAM MADARIAGA MAZON et al.	JOURNAL OF MOLECULAR RECOGNITION	2013
44	Absolute configuration of acremoxanthone C, a potent calmodulin inhibitor from <i>purpureocillium lilacinum</i>	ABRAHAM MADARIAGA MAZON MARIA DEL CARMEN AUXILIO GONZALEZ VILLASEÑOR RACHEL MATA ESSAYAG et al.	JOURNAL OF NATURAL PRODUCTS	2013
45	Insights on Possible Mechanism of Action of Vasorelaxant Activity Exhibited by Fungal Malbrancheamides	ABRAHAM MADARIAGA MAZON RACHEL MATA ESSAYAG Hernandez, O. et al.	PLANTA MEDICA	2013
46	Absolute Configuration of Acremoxanthone C, a Potent Calmodulin Inhibitor from <i>Purpureocillium lilacinum</i>	ABRAHAM MADARIAGA MAZON M. Gonzalez RACHEL MATA ESSAYAG et al.	PLANTA MEDICA	2013
47	Fluorescence, circular dichroism, NMR, and docking studies of the interaction of the alkaloid malbrancheamide with calmodulin	MARIO ALBERTO FIGUEROA SALDIVAR MARTIN GONZALEZ ANDRADE ALEJANDRO SOSA PEINADO et al.	JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY	2011

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Toxicología	MARIANA FLORES TORRES JOSE ALBERTO RIVERA CHAVEZ SANDRA MARIA CENTENO LLANOS et al.	Libro Completo	2022	978607305898 8
2	Toxicity of secondary metabolites	ABRAHAM MADARIAGA MAZON RICARDO BRUNO HERNANDEZ ALVARADO KARINA MARTINEZ MAYORGA et al.	Capítulo de un Libro	2021	9783110668896
3	Guiones Experimentales Para La Enseñanza Y Aprendizaje Del Laboratorio De Toxicología	MARIANA FLORES TORRES SANDRA MARIA CENTENO LLANOS SITLALI DEL ROSARIO OLGUIN REYES et al.	Libro Completo	2021	9786073049719
4	Prediction of toxicity of secondary metabolites	RICARDO BRUNO HERNANDEZ ALVARADO ABRAHAM MADARIAGA MAZON KARINA MARTINEZ MAYORGA	Capítulo de un Libro	2020	9783110579352



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5	Glossary of terms used in chemoinformatics of natural products: Fundamental principles	FERNANDA ISABEL SALDIVAR GONZALEZ RICARDO BRUNO HERNANDEZ ALVARADO ABRAHAM MADARIAGA MAZON et al.	Capítulo de un Libro	2020	9783110579352
6	Manual de Prácticas de Laboratorio de Farmacognosia	MARIO ALBERTO FIGUEROA SALDIVAR ABRAHAM MADARIAGA MAZON	Libro Completo	2014	9786070255083



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Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



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PARTICIPACIÓN EN PROYECTOS

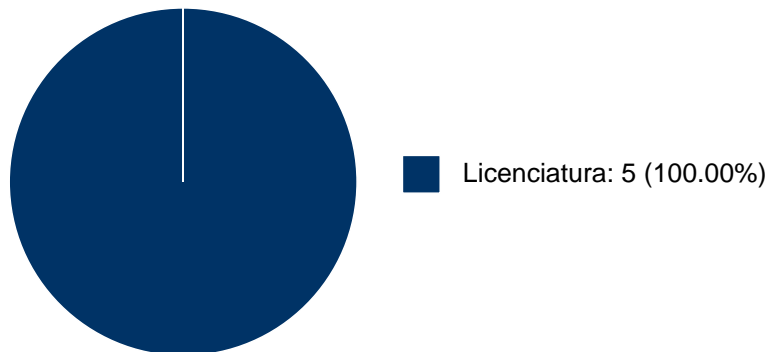
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Dinámica molecular de receptores acoplados a proteínas G (GPCR) en diferentes estados del mecanismo de activación	Tesis de Licenciatura	ABRAHAM MADARIAGA MAZON,	KARINA MARTINEZ MAYORGA, González Ponce, Karla,	Facultad de Química, Instituto de Química,	2019
2	Modelo predictivo de toxicidad oral aguda en rata de pesticidas de la clase 2-trifluorometil benzimidazoles	Tesis de Licenciatura	ABRAHAM MADARIAGA MAZON,	KARINA MARTINEZ MAYORGA, Gómez Jiménez, Gabriela,	Facultad de Química, Instituto de Química,	2018
3	Malbranchea chryso sporoidea Sigler et Carmichael como fuente de inhibidores de las enzimas alfa-glucosidasas	Tesis de Licenciatura	ABRAHAM MADARIAGA MAZON,	Campos Durán, Ángel Jared,	Facultad de Química, Instituto de Química,	2017
4	Dos nuevos compuestos aislados de malbranchea circinata sigler & carmichael como inhibidores de las enzimas alfa-glucosidasas	Tesis de Licenciatura	ABRAHAM MADARIAGA MAZON,	Cedillo Torres, Fernando,	Facultad de Química,	2016



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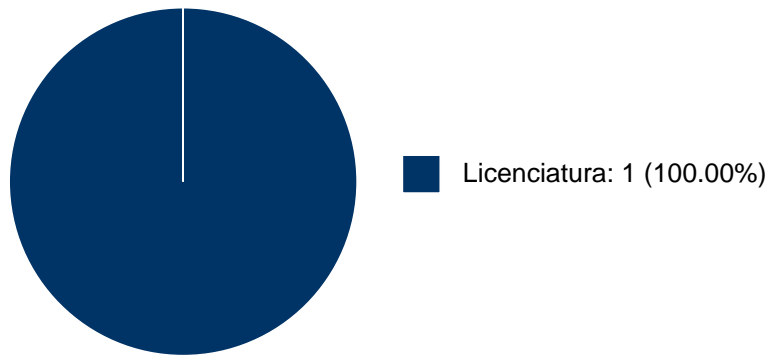
5	Evaluación del efecto fitotóxico del extracto orgánico de la especie fúngica acremonium strictum	Tesis de Licenciatura	ABRAHAM MADARIAGA MAZON,	Rangel Grimaldo, Manuel Eduardo,	Facultad de Química,	2013
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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	PROBABILIDAD Y ESTADISTICA	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD MÉRIDA, YUCATÁN	11	2023-1



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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	2008-2024
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