



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



NOEMI FLORES MEJIA

Datos Generales

Nombre: NOEMI FLORES MEJIA

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 39 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Instituto de Biotecnología
Desde 01-01-2008 (fecha inicial de registros en el SIIA)

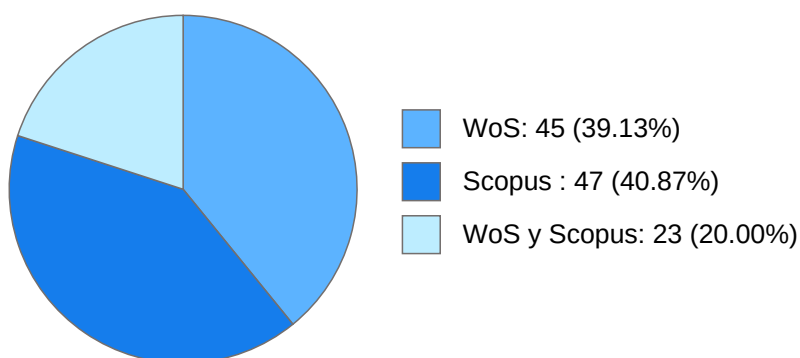
Estímulos, programas, premios y reconocimientos

SNI I 2009 - 2021
PRIDE D - 2024
PRIDE C 2008

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Sigma Factors as Potential Targets to Enhance Recombinant Protein Expression	LUZ MARIA MARTINEZ MEJIA NOEMI FLORES MEJIA GUILLERMO GOSSET LAGARDA et al.	BIOTECHNOLOGY AND BIOENGINEERING	2025
2	The complete genome of Escherichia coli JM101 assembled with a combination of Nanopore and Illumina platforms	JOSE ADELFO ESCALANTE LOZADA NOEMI FLORES MEJIA GUILLERMO GOSSET LAGARDA et al.	Microbiology Resource Announcements	2024
3	Transcriptional and Metabolic Response of a Strain of Escherichia coli PTS ⁺ to a Perturbation of the Energetic Level by Modification of [ATP]/[ADP] Ratio	RAMON DE ANDA HERRERA NOEMI FLORES MEJIA JOSE ADELFO ESCALANTE LOZADA et al.	BioTech	2024
4	Global transcriptomic response of Escherichia coli to p-coumaric acid	NOEMI FLORES MEJIA LUZ MARIA MARTINEZ MEJIA FRANCISCO GONZALO BOLIVAR ZAPATA et al.	MICROBIAL CELL FACTORIES	2022
5	Glucose consumption rate-dependent transcriptome profiling of Escherichia coli provides insight on performance as microbial factories	ROSA MARIA GUTIERREZ RIOS NOEMI FLORES MEJIA ALFREDO MARTINEZ JIMENEZ et al.	MICROBIAL CELL FACTORIES	2022

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6	Evolution of an Escherichia coli PTS(-) strain: a study of reproducibility and dynamics of an adaptive evolutive process	NOEMI FLORES MEJIA MARIA ESPERANZA MARTINEZ ROMERO GUILLERMO GOSSET LAGARDA et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2020
7	Glucose limitation and glucose uptake rate determines metabolite production and sporulation in high cell density continuous cultures of Bacillus amyloliquefaciens 83	CELIA FLORES OCAMPO NOEMI FLORES MEJIA JOSE RAUNEL TINOCO VALENCIA et al.	JOURNAL OF BIOTECHNOLOGY	2019
8	Increasing pinosylvin production in Escherichia coli by reducing the expression level of the gene fabI-encoded enoyl-acyl carrier protein reductase	GEORGINA TERESA HERNANDEZ CHAVEZ NOEMI FLORES MEJIA LUZ MARIA GABRIELA MARTINEZ SOTO et al.	Electronic Journal Of Biotechnology	2018
9	Metabolic modeling and response surface analysis of an Escherichia coli strain engineered for shikimic acid production	NOEMI FLORES MEJIA OCTAVIO TONATIUH RAMIREZ REIVICH GUILLERMO GOSSET LAGARDA et al.	BMC SYSTEMS BIOLOGY	2018
10	Analysis of differentially upregulated proteins in ptsHlcr(-) and rppH(-) mutants in Escherichia coli during an adaptive laboratory evolution experiment	NOEMI FLORES MEJIA SERGIO MANUEL ENCARNACION GUEVARA JOSE ADELFO ESCALANTE LOZADA et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2018
11	The Role of the ydiB Gene, Which Encodes Quinate/Shikimate Dehydrogenase, in the Production of Quinic, Dehydroshikimic and Shikimic Acids in a PTS- Strain of Escherichia coli	NOEMI FLORES MEJIA RAMON DE ANDA HERRERA GEORGINA HERNANDEZ DELGADO et al.	JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOGY	2017
12	Diffusional and transcriptional mechanisms involved in laccases production by Pleurotus ostreatus CP50	NOEMI FLORES MEJIA JOSE RAUNEL TINOCO VALENCIA CELIA FLORES OCAMPO et al.	JOURNAL OF BIOTECHNOLOGY	2016
13	Physiological effects of pH gradients on Escherichia coli during plasmid DNA production	NOEMI FLORES MEJIA FRANCISCO GONZALO BOLIVAR ZAPATA OCTAVIO TONATIUH RAMIREZ REIVICH et al.	BIOTECHNOLOGY AND BIOENGINEERING	2016
14	Deletion of the 2-acyl-glycerophosphoethanolamine cycle improve glucose metabolism in Escherichia coli strains employed for overproduction of aromatic compounds	NOEMI FLORES MEJIA Diana Sahonero Canavesi Susy Beatriz Carmona et al.	MICROBIAL CELL FACTORIES	2015

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15	Physiological and transcriptional characterization of Escherichia Coli strains lacking interconversion of phosphoenolpyruvate and pyruvate when glucose and acetate are coutilized	Andrea Sabido Ramos GEORGINA TERESA HERNANDEZ CHAVEZ NOEMI FLORES MEJIA et al.	BIOTECHNOLOG Y AND BIOENGINEERIN G	2014
16	Engineering Escherichia coli to overproduce aromatic amino acids and derived compounds	Alberto Rodriguez Juan A. Martinez NOEMI FLORES MEJIA et al.	MICROBIAL CELL FACTORIES	2014
17	New insights on transcriptional responses of genes involved in carbon central metabolism, respiration and fermentation to low ATP levels in Escherichia coli	RAMON DE ANDA HERRERA NOEMI FLORES MEJIA GUILLERMO GOSSET LAGARDA et al.	JOURNAL OF BASIC MICROBIOLOGY	2013
18	Enhancing thermo-induced recombinant protein production in Escherichia coli by temperature oscillations and post-induction nutrient feeding strategies	Luis Caspeta NOEMI FLORES MEJIA FRANCISCO GONZALO BOLIVAR ZAPATA et al.	JOURNAL OF BIOTECHNOLOG Y	2013
19	Constitutive expression of selected genes from the pentose phosphate and aromatic pathways increases the shikimic acid yield in high-glucose batch cultures of an Escherichia coli strain lacking PTS and pykF	Alberto Rodriguez Juan A. Martinez NOEMI FLORES MEJIA et al.	MICROBIAL CELL FACTORIES	2013
20	Metabolic and transcriptional response of Escherichia coli with a NADP +-dependent glyceraldehyde 3-phosphate dehydrogenase from Streptococcus mutans	NOEMI FLORES MEJIA Alberto Rodriguez GUILLERMO GOSSET LAGARDA et al.	ANTONIE VAN LEEUEWENHOEK INTERNATIONAL JOURNAL OF GENERAL AND MOLECULAR MICROBIOLOGY	2013
21	New insights into Escherichia coli metabolism: carbon scavenging, acetate metabolism and carbon recycling responses during growth on glycerol	Karla Martinez Gomez NOEMI FLORES MEJIA Hector M. Castaneda et al.	MICROBIAL CELL FACTORIES	2012
22	Physiologic consequences of glucose transport and phosphoenolpyruvate node modifications in bacillus subtilis 168	Natividad Cabrera Valladares LUZ MARIA MARTINEZ MEJIA NOEMI FLORES MEJIA et al.	JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOG Y	2012

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23	Genetic changes during a laboratory adaptive evolution process that allowed fast growth in glucose to an Escherichia coli strain lacking the major glucose transport system	JOSE ADELFO ESCALANTE LOZADA NOEMI FLORES MEJIA RAMON DE ANDA HERRERA et al.	Bmc Genomics	2012
24	Simulation of dissolved CO2 gradients in a scale-down system: A metabolic and transcriptional study of recombinant Escherichia coli	Antonino Baez NOEMI FLORES MEJIA FRANCISCO GONZALO BOLIVAR ZAPATA et al.	BIOTECHNOLOG Y JOURNAL	2011
25	The Effect of Heating Rate on Escherichia coli Metabolism, Physiological Stress, Transcriptional Response, and Production of Temperature-induced Recombinant Protein: A Scale-Dow	Luis Caspeta NOEMI FLORES MEJIA FRANCISCO GONZALO BOLIVAR ZAPATA et al.	BIOTECHNOLOG Y AND BIOENGINEERIN G	2009
26	Acetate Metabolism in Escherichia coli Strains Lacking Phosphoenolpyruvate: Carbohydrate Phosphotransferase System; Evidence of Carbon Recycling Strategies and Futile Cycles	JUAN CARLOS SIGALA ALANIS NOEMI FLORES MEJIA RAMON DE ANDA HERRERA et al.	JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOG Y	2009
27	Metabolic and Transcriptional Response of Recombinant Escherichia coli to Elevated Dissolved Carbon Dioxide Concentrations	Antonino Baez NOEMI FLORES MEJIA FRANCISCO GONZALO BOLIVAR ZAPATA et al.	BIOTECHNOLOG Y AND BIOENGINEERIN G	2009
28	Transcription Analysis of Central Metabolism Genes in Escherichia coli. Possible Roles of sigma(38) in Their Expression, as a Response to Carbon Limitation	LETICIA OLVERA RODRIGUEZ Alfredo Mendoza Vargas NOEMI FLORES MEJIA et al.	PLOS ONE	2009
29	Metabolic regulation analysis of an ethanologenic Escherichia coli strain based on RT-PCR and enzymatic activities	Montserrat Orencio Trejo NOEMI FLORES MEJIA JOSE ADELFO ESCALANTE LOZADA et al.	BIOTECHNOLOG Y FOR BIOFUELS	2008
30	Isolation and characterization of Vibrio tubiashii outer membrane proteins and determination of a toxR homolog	NOEMI FLORES MEJIA Jean-Gilles Beaubrun J. Kothary M.H. et al.	APPLIED AND ENVIRONMENTA L MICROBIOLOGY	2008
31	New insights into the role of sigma factor RpoS as revealed in Escherichia coli strains lacking the phosphoenolpyruvate : carbohydrate phosphotransferase system	NOEMI FLORES MEJIA JOSE ADELFO ESCALANTE LOZADA RAMON DE ANDA HERRERA et al.	JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOG Y	2008

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32	Metabolic transcription analysis of engineered Escherichia coli strains that overproduce L-phenylalanine	NOEMI FLORES MEJIA KATY JUAREZ LOPEZ FRANCISCO GONZALO BOLIVAR ZAPATA et al.	MICROBIAL CELL FACTORIES	2007
33	Growth recovery on glucose under aerobic conditions of an Escherichia coli strain carrying a phosphoenolpyruvate:carbohydrate phosphotransferase system deletion by inactivating arcA and overexpressing the genes coding for glucokinase and gal	NOEMI FLORES MEJIA RAMON DE ANDA HERRERA JOSE ADELFO ESCALANTE LOZADA et al.	JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOGY	2007
34	Transcriptional and metabolic response of recombinant Escherichia coli to spatial dissolved oxygen tension gradients simulated in a scale-down system	NOEMI FLORES MEJIA GUILLERMO GOSSET LAGARDA FRANCISCO GONZALO BOLIVAR ZAPATA et al.	BIOTECHNOLOGY AND BIOENGINEERING	2006
35	Adaptation for fast growth on glucose by differential expression of central carbon metabolism and gal regulon genes in an Escherichia coli strain lacking the phosphoenolpyruvate:carbohydrate phosphotransferase system	NOEMI FLORES MEJIA JOSE ADELFO ESCALANTE LOZADA RAMON DE ANDA HERRERA et al.	METABOLIC ENGINEERING	2005
36	Role of pyruvate oxidase in Escherichia coli strains lacking the phosphoenolpyruvate:carbohydrate phosphotransferase system	NOEMI FLORES MEJIA RAMON DE ANDA HERRERA JOSE ADELFO ESCALANTE LOZADA et al.	JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOGY	2005
37	Nutrient-scavenging stress response in an Escherichia coli strain lacking the phosphoenolpyruvate:carbohydrate phosphotransferase system, as explored by gene expression profile analysis	NOEMI FLORES MEJIA RAMON DE ANDA HERRERA MARIA ALICIA GONZALEZ MANJARREZ et al.	JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOGY	2005
38	Overexpression of chromosomal genes in Escherichia coli.	NOEMI FLORES MEJIA Valle F.	Methods in Molecular Biology	2004
39	Analysis of carbon metabolism in Escherichia coli strains with an inactive phosphotransferase system by ¹³ C labeling and NMR spectroscopy	GUILLERMO GOSSET LAGARDA NOEMI FLORES MEJIA FRANCISCO GONZALO BOLIVAR ZAPATA et al.	METABOLIC ENGINEERING	2002
40	Pathway engineering for the production of aromatic compounds in Escherichia coli	NOEMI FLORES MEJIA FRANCISCO GONZALO BOLIVAR ZAPATA Xiao J. et al.	Nature Biotechnology	1996

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41	Basic and applied aspects of metabolic diversity: The phosphoenolpyruvate node	NOEMI FLORES MEJIA FRANCISCO GONZALO BOLIVAR ZAPATA Valle F. et al.	Journal Of Industrial Microbiology	1996
42	Cloning of the two pyruvate kinase isoenzyme structural genes from Escherichia coli: The relative roles of these enzymes in pyruvate biosynthesis	NOEMI FLORES MEJIA ALFREDO MARTINEZ JIMENEZ FRANCISCO GONZALO BOLIVAR ZAPATA et al.	JOURNAL OF BACTERIOLOGY	1995
43	gltF, a member of the gltBDF operon of Escherichia coli, is involved in nitrogen-regulated gene expression	NOEMI FLORES MEJIA ALEJANDRA ALICIA COVARRUBIAS ROBLES FRANCISCO GONZALO BOLIVAR ZAPATA et al.	MOLECULAR MICROBIOLOGY	1992
44	Recovery of DNA from agarose gels stained with methylene blue	NOEMI FLORES MEJIA FRANCISCO GONZALO BOLIVAR ZAPATA ENRIQUE MERINO PEREZ et al.	Biotechniques	1992
45	Determination of the nucleotide sequence for the glutamate synthase structural genes of Escherichia coli K-12	GUILLERMO GOSSET LAGARDA NOEMI FLORES MEJIA BALTAZAR BECERRIL LUJAN et al.	Gene	1987
46	A new expression vector for the production of fused proteins in Escherichia coli	NOEMI FLORES MEJIA RAMON DE ANDA HERRERA LEOPOLDO GUERECA GURROLA et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	1986
47	Plasmid vector pBR322 and its special-purpose derivatives - a review	FRANCISCO XAVIER DEL ESPIRITU SANTO SOBERON MAINERO ENRIQUE MERINO PEREZ MARIO ENRIQUE ZURITA ORTEGA et al.	Gene	1986



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PARTICIPACIÓN EN PROYECTOS

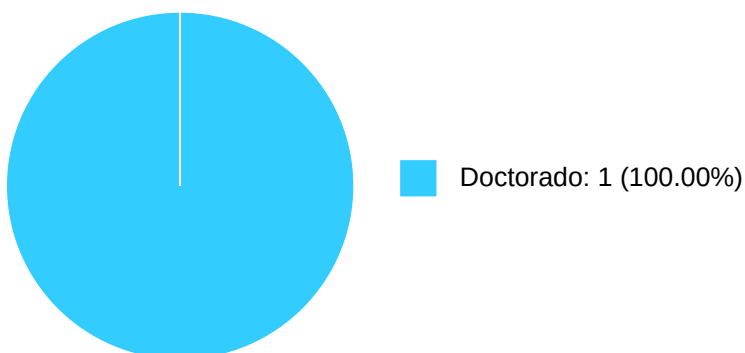
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Modelación matemática y análisis de superficies de respuesta para una cepa de Escherichia coli modificada por ingeniería de vías metabólicas para la producción de ácido shikímico	Tesis de Doctorado	FRANCISCO GONZALO BOLIVAR ZAPATA,	NOEMI FLORES MEJIA, OCTAVIO TONATIUH RAMIREZ REIVICH, et al.	Instituto de Biotecnología,	2019



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DOCENCIA IMPARTIDA

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

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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