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Coordinación de Planeación, Evaluación y
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Reporte individual



PEDRO JULIO COLLADO VIDES

Datos Generales

Nombre: PEDRO JULIO COLLADO VIDES

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Nombramientos

Vigente: INVESTIGADOR EMERITO TC Definitivo
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Desde 01-05-2021

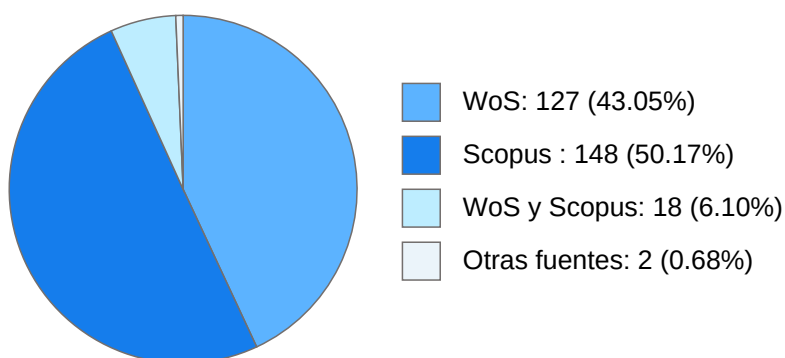
Estímulos, programas, premios y reconocimientos

SNI Emérito 2022 - VIGENTE
SNI III - 2021
PRIDE D - 2021
PASPA Estancias Sabáticas 2019 - 2020
PUN Investigación en ciencias naturales 2004

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	RegulonDB v12.0:ã comprehensive resource of transcriptional regulation in E. coli K-12	HELADIA SALGADO OSORIO MA. DEL SOCORRO GAMA CASTRO SHIRLEY ALQUICIRA HERNANDEZ et al.	NUCLEIC ACIDS RESEARCH	2024
2	Flexible gold standards for transcription factor regulatory interactions in Escherichia coli K-12: architecture of evidence types	MA. DEL SOCORRO GAMA CASTRO HELADIA SALGADO OSORIO CESAR AUGUSTO BONAVIDES MARTINEZ et al.	Frontiers in Genetics	2024
3	Regulatory promoter architectures in the hands of thermodynamic modelling	PEDRO JULIO COLLADO VIDES	NATURE REVIEWS GENETICS	2023
4	The EcoCyc Database (2023)	MA. DEL SOCORRO GAMA CASTRO CESAR AUGUSTO BONAVIDES MARTINEZ PEDRO JULIO COLLADO VIDES et al.	EcoSal Plus	2023
5	Missing Links Between Gene Function and Physiology in Genomics	PEDRO JULIO COLLADO VIDES Pascale Gaudet Victor de Lorenzo	FRONTIERS IN PHYSIOLOGY	2022
6	Sensory Systems and Transcriptional Regulation in Escherichia coli	MA. DEL SOCORRO GAMA CASTRO CESAR AUGUSTO BONAVIDES MARTINEZ PEDRO JULIO COLLADO VIDES et al.	Frontiers in Bioengineering and Biotechnology	2022

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7	RegulonDB 11.0: Comprehensive high-throughput datasets on transcriptional regulation in Escherichia coli K-12	Vctor H. Tierrafria HELADIA SALGADO OSORIO PATRICIA LARA CRUZ et al.	Microbial Genomics	2022
8	The EcoCyc Database in 2021	MA. DEL SOCORRO GAMA CASTRO CESAR AUGUSTO BONAVIDES MARTINEZ PEDRO JULIO COLLADO VIDES et al.	FRONTIERS IN MICROBIOLOGY	2021
9	Lisen&Curate: A platform to facilitate gathering textual evidence for curation of regulation of transcription initiation in bacteria	MA. DEL SOCORRO GAMA CASTRO HELADIA SALGADO OSORIO CARLOS FRANCISCO MENDEZ CRUZ et al.	BIOCHIMICA ET BIOPHYSICA ACTA-GENE REGULATORY MECHANISMS	2021
10	PulmonDB: a curated lung disease gene expression database	JAIR SANTIAGO GARCIA SOTELO LUIS ALBERTO AGUILAR BAUTISTA MOISES EDUARDO SELMAN LAMA et al.	SCIENTIFIC REPORTS	2020
11	Redefining fundamental concepts of transcription initiation in bacteria	PEDRO JULIO COLLADO VIDES Mejía-Almonte C. Busby S.J.W. et al.	NATURE REVIEWS GENETICS	2020
12	Knowledge extraction for assisted curation o f summaries of bacterial transcription factor prorties	CARLOS FRANCISCO MENDEZ CRUZ IGNACIO ARROYO FERNANDEZ MA. DEL SOCORRO GAMA CASTRO et al.	DATABASE-THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION	2020
13	In the pursuit of semantic similarity for literature on microbial transcriptional regulation	PEDRO JULIO COLLADO VIDES Oscar Lithgow-Serrano	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	2019
14	Similarity corpus on microbial transcriptional regulation	MA. DEL SOCORRO GAMA CASTRO MARIA CECILIA ISHIDA GUTIERREZ PEDRO JULIO COLLADO VIDES et al.	JOURNAL OF BIOMEDICAL SEMANTICS	2019
15	Limits to a classic paradigm: most transcription factors in E. coli regulate genes involved in multiple biological processes	PEDRO JULIO COLLADO VIDES Ledezma-Tejeida D. Altamirano-Pacheco L. et al.	NUCLEIC ACIDS RESEARCH	2019
16	RegulonDB v 10.5: tackling challenges to unify classic and high throughput knowledge of gene regulation in E. coli K-12	HELADIA SALGADO OSORIO MA. DEL SOCORRO GAMA CASTRO JAIR SANTIAGO GARCIA SOTELO et al.	NUCLEIC ACIDS RESEARCH	2019
17	Integrating Bacterial ChIP-seq and RNA-seq Data With SnakeChunks	PEDRO JULIO COLLADO VIDES Rioualen C. Charbonnier-Khamvongsa L. et al.	Current Protocols In Bioinformatics	2019

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18	MCO: towards an ontology and unified vocabulary for a framework-based annotation of microbial growth conditions	HELADIA SALGADO OSORIO MARIA CECILIA ISHIDA GUTIERREZ MA. DEL SOCORRO GAMA CASTRO et al.	Bioinformatics	2019
19	Tracing the phylogenetic history of the Crl regulon through the Bacteria and Archaea genomes	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES Santos-Zavaleta A. et al.	Bmc Genomics	2019
20	Using RegulonDB, the Escherichia coli K-12 Gene Regulatory Transcriptional Network Database	HELADIA SALGADO OSORIO IRMA MARTINEZ FLORES VICTOR HUMBERTO BUSTAMANTE SANTILLAN et al.	Current Protocols In Bioinformatics	2018
21	A unified resource for transcriptional regulation in Escherichia coli K-12 incorporating high-throughput-generated binding data into RegulonDB version 10.0	HELADIA SALGADO OSORIO MA. DEL SOCORRO GAMA CASTRO PEDRO JULIO COLLADO VIDES et al.	BMC BIOLOGY	2018
22	The EcoCyc Database	MA. DEL SOCORRO GAMA CASTRO CESAR AUGUSTO BONAVIDES MARTINEZ PEDRO JULIO COLLADO VIDES et al.	EcoSal Plus	2018
23	Proof of Concept of Eukaryotic Genetic Sensory Response Units in TGF-beta Signaling in Idiopathic Pulmonary Fibrosis	ANNIE PARDO CEMO PEDRO JULIO COLLADO VIDES MOISES EDUARDO SELMAN LAMA et al.	AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE	2018
24	PulmonDB: A Gene Expression Lung Diseases	MARIEL SOFIA MALDONADO BONILLA JAIR SANTIAGO GARCIA SOTELO LUIS ALBERTO AGUILAR BAUTISTA et al.	AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE	2018
25	A falsification approach to create and check ontology definitions	PEDRO JULIO COLLADO VIDES Mejía-Almonte C.	CEUR Workshop Proceedings	2018
26	The EcoCyc database: reflecting new knowledge about Escherichia coli K-12	CESAR AUGUSTO BONAVIDES MARTINEZ MA. DEL SOCORRO GAMA CASTRO PEDRO JULIO COLLADO VIDES et al.	NUCLEIC ACIDS RESEARCH	2017
27	Improving biocuration of microRNAs in diseases: a case study in idiopathic pulmonary fibrosis	PEDRO JULIO COLLADO VIDES ANNIE PARDO CEMO Itzel Balderas-Martinez, Yalbi et al.	DATABASE-THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION	2017
28	Effect of genomic distance on coexpression of coregulated genes in E. coli	ENRIQUE MERINO PEREZ PEDRO JULIO COLLADO VIDES Pannier, Lucia et al.	PLOS ONE	2017

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29	Genome-Wide Mapping of Transcriptional Regulation and Metabolism Describes Information-Processing Units in Escherichia coli	MARIA CECILIA ISHIDA GUTIERREZ PEDRO JULIO COLLADO VIDES Ledezma-Tejeida, D.	FRONTIERS IN MICROBIOLOGY	2017
30	First steps in automatic summarization of transcription factor properties for RegulonDB: classification of sentences about structural domains and regulated processes	CARLOS FRANCISCO MENDEZ CRUZ MA. DEL SOCORRO GAMA CASTRO Luis Muniz Rascado et al.	DATABASE-THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION	2017
31	Strategies towards digital and semi-automated curation in RegulonDB (vol 2017, bax012, 2017)	MA. DEL SOCORRO GAMA CASTRO MARIA CECILIA ISHIDA GUTIERREZ CARLOS FRANCISCO MENDEZ CRUZ et al.	DATABASE-THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION	2017
32	In silico clustering of Salmonella global gene expression data reveals novel genes co-regulated with the SPI-1 virulence genes through HiLD	IRMA MARTINEZ FLORES DEYANIRA PEREZ MORALES PEDRO JULIO COLLADO VIDES et al.	SCIENTIFIC REPORTS	2016
33	RegulonDB version 9.0: high-level integration of gene regulation, coexpression, motif clustering and beyond	MA. DEL SOCORRO GAMA CASTRO HELADIA SALGADO OSORIO JAIR SANTIAGO GARCIA SOTELO et al.	NUCLEIC ACIDS RESEARCH	2016
34	COLOMBOS v3.0: leveraging gene expression compendia for cross-species analyses	MA. DEL SOCORRO GAMA CASTRO PEDRO JULIO COLLADO VIDES Moretto, Marco et al.	NUCLEIC ACIDS RESEARCH	2016
35	Mathematical modeling of the apo and holo transcriptional regulation in Escherichia coli	JULIO AUGUSTO FREYRE GONZALEZ PEDRO JULIO COLLADO VIDES AlvarezVasquez, Fernando J. et al.	MOLECULAR BIOSYSTEMS	2015
36	The EcoCyc database	MA. DEL SOCORRO GAMA CASTRO ARACELI HUERTA MORENO CESAR AUGUSTO BONAVIDES MARTINEZ et al.	EcoSal Plus	2014
37	Structural properties of prokaryotic promoter regions correlate with functional features	PEDRO JULIO COLLADO VIDES JUAN ENRIQUE MORETT SANCHEZ Meysman, Pieter et al.	PLOS ONE	2014
38	COLOMBOS v2.0: An ever expanding collection of bacterial expression compendia	Daniela Ledezma Tejeida MA. DEL SOCORRO GAMA CASTRO PEDRO JULIO COLLADO VIDES et al.	NUCLEIC ACIDS RESEARCH	2014
39	In silico identification and experimental characterization of regulatory elements controlling the expression of the salmonella csrB and csrC genes	Luay C. Martinez IRMA MARTINEZ FLORES HELADIA SALGADO OSORIO et al.	JOURNAL OF BACTERIOLOGY	2014

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40	Assisted curation of regulatory interactions and growth conditions of OxyR in E. Colik-12	MA. DEL SOCORRO GAMA CASTRO Alejandra Lopez Fuentes Yalbi Itzel Balderas Martinez et al.	DATABASE-THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION	2014
41	RegulonDB v8.0: Omics data sets, evolutionary conservation, regulatory phrases, cross-validated gold standards and more	HELADIA SALGADO OSORIO Martin Peralta Gil MA. DEL SOCORRO GAMA CASTRO et al.	NUCLEIC ACIDS RESEARCH	2013
42	EcoCyc: fusing model organism databases with systems biology	Martin Peralta Gil Alberto Santos Zavaleta MA. DEL SOCORRO GAMA CASTRO et al.	NUCLEIC ACIDS RESEARCH	2013
43	Evidence classification of high-throughput protocols and confidence integration in RegulonDB	Verena Weiss Alejandra Medina Rivera Araceli M. Huerta et al.	DATABASE-THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION	2013
44	Transcription Factors in Escherichia coli Prefer the Holo Conformation	Yalbi Itzel Balderas Martinez HELADIA SALGADO OSORIO ERNESTO PEREZ RUEDA et al.	PLOS ONE	2013
45	On the trail of EHEC/EAEC-unraveling the gene regulatory networks of human pathogenic Escherichia coli bacteria	HELADIA SALGADO OSORIO PEDRO JULIO COLLADO VIDES Pauling, Josch et al.	INTEGR BIOL-UK	2012
46	The BioPAX community standard for pathway data sharing (Nature Biotechnology (2010) 28, (935-942))	IRMA MARTINEZ FLORES VERONICA JIMENEZ JACINTO PEDRO JULIO COLLADO VIDES et al.	Nature Biotechnology	2012
47	RegulonDB version 7.0: Transcriptional regulation of Escherichia coli K-12 integrated within genetic sensory response units (Gensor Units)	MA. DEL SOCORRO GAMA CASTRO HELADIA SALGADO OSORIO Martin Peralta Gil et al.	NUCLEIC ACIDS RESEARCH	2011
48	EcoCyc: a comprehensive database of Escherichia coli biology	PEDRO JULIO COLLADO VIDES Alberto Santos Zavaleta Martin Peralta Gil et al.	NUCLEIC ACIDS RESEARCH	2011
49	Theoretical and empirical quality assessment of transcription factor-binding motifs	Alejandra Medina Rivera HELADIA SALGADO OSORIO PEDRO JULIO COLLADO VIDES et al.	NUCLEIC ACIDS RESEARCH	2011
50	The BioPAX community standard for pathway data sharing	IRMA MARTINEZ FLORES VERONICA JIMENEZ JACINTO PEDRO JULIO COLLADO VIDES et al.	Nature Biotechnology	2010
51	Erratum: The BioPAX community standard for pathway data sharing (Nat. Biotechnol. (2010) 28 (935-942))	IRMA MARTINEZ FLORES VERONICA JIMENEZ JACINTO PEDRO JULIO COLLADO VIDES et al.	Nature Biotechnology	2010

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52	The Condition-Dependent Transcriptional Network in Escherichia coli	PEDRO JULIO COLLADO VIDES Lemmens, Karen De Bie, Tijl et al.	ANNALS OF THE NEW YORK ACADEMY OF SCIENCES	2009
53	Regulation by transcription factors in bacteria: Beyond description	Enrique Balleza Lucia N. Lopez Bojorquez OSBALDO RESENDIS ANTONIO et al.	FEMS MICROBIOLOGY REVIEWS	2009
54	Bioinformatics Resources for the Study of Gene Regulation in Bacteria	PEDRO JULIO COLLADO VIDES HELADIA SALGADO OSORIO JUAN ENRIQUE MORETT SANCHEZ et al.	JOURNAL OF BACTERIOLOGY	2009
55	EcoCyc: A comprehensive view of Escherichia coli biology	CESAR AUGUSTO BONAVIDES MARTINEZ PEDRO JULIO COLLADO VIDES MA. DEL SOCORRO GAMA CASTRO et al.	NUCLEIC ACIDS RESEARCH	2009
56	DISTILLER: a data integration framework to reveal condition dependency of complex regulons in Escherichia coli	PEDRO JULIO COLLADO VIDES Lemmens, Karen De Bie, Tijl et al.	GENOME BIOLOGY	2009
57	Evolution of Bacterial Regulatory Networks:"The Role of DNA-Binding Specificity"	Irma Lozada Chvez Bruno Contreras Moreira PEDRO JULIO COLLADO VIDES	ORIGINS OF LIFE AND EVOLUTION OF BIOSPHERES	2009
58	Genome-Wide Identification of Transcription Start Sites, Promoters and Transcription Factor Binding Sites in E. coli	Alfredo Mendoza Vargas LETICIA OLVERA RODRIGUEZ MARICELA OLVERA RODRIGUEZ et al.	PLOS ONE	2009
59	From sequence to dynamics: the effects of transcription factor and polymerase concentration changes on activated and repressed promoters	PEDRO JULIO COLLADO VIDES Gonzalez Perez, Abel Espinosa Angarica, Vladimir et al.	BMC MOL BIOL	2009
60	Structural and functional map of a bacterial nucleoid	Alejandra Medina Rivera PEDRO JULIO COLLADO VIDES Martinez-Antonio, Agustino	GENOME BIOLOGY	2009
61	RegulonDB (version 6.0): gene regulation model of Escherichia coli K-12 beyond transcription, active (experimental) annotated promoters and Textpresso navigation	MA. DEL SOCORRO GAMA CASTRO VERONICA JIMENEZ JACINTO Martin Peralta Gil et al.	NUCLEIC ACIDS RESEARCH	2008
62	Impact of Transcription Units rearrangement on the evolution of the regulatory network of gamma-proteobacteria	PEDRO JULIO COLLADO VIDES Gonzalez Perez, Abel D. Gonzalez Gonzalez, Evelyn et al.	Bmc Genomics	2008
63	The Role of DNA-binding Specificity in the Evolution of Bacterial Regulatory Networks	Irma Lozada Chavez Vladimir Espinosa Angarica PEDRO JULIO COLLADO VIDES et al.	JOURNAL OF MOLECULAR BIOLOGY	2008

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64	Transcriptional regulation constrains the organization of genes on eukaryotic chromosomes	PEDRO JULIO COLLADO VIDES Janga, Sarath Chandra Babu, M. Madan	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2008
65	Functional architecture of Escherichia coli: new insights provided by a natural decomposition approach	JULIO AUGUSTO FREYRE GONZALEZ Jose A. Alonso Pavon Luis G. Trevino Quintanilla et al.	GENOME BIOLOGY	2008
66	Prediction of TF target sites based on atomistic models of protein-DNA complexes	Vladimir Espinosa Angarica PEDRO JULIO COLLADO VIDES Bruno Contreras Moreira et al.	Bmc Bioinformatics	2008
67	Internal Versus External Effector and Transcription Factor Gene Pairs Differ in Their Relative Chromosomal Position in Escherichia coli	HELADIA SALGADO OSORIO PEDRO JULIO COLLADO VIDES Janga S.C. et al.	JOURNAL OF MOLECULAR BIOLOGY	2007
68	Identification of regulatory network topological units coordinating the genome-wide transcriptional response to glucose in Escherichia coli	ROSA MARIA GUTIERREZ RIOS JULIO AUGUSTO FREYRE GONZALEZ OSBALDO RESENDIS ANTONIO et al.	BMC MICROBIOLOGY	2007
69	Structure and evolution of gene regulatory networks in microbial genomes	PEDRO JULIO COLLADO VIDES Janga S.C.	RESEARCH IN MICROBIOLOGY	2007
70	Tractor_DB (version 2.0): A database of regulatory interactions in gamma-proteobacterial genomes	PEDRO JULIO COLLADO VIDES Pérez A.G. Angarica V.E. et al.	NUCLEIC ACIDS RESEARCH	2007
71	TFmodeller: Comparative modelling of protein-DNA complexes	PEDRO JULIO COLLADO VIDES Contreras-Moreira B. Branger P.-A.	Bioinformatics	2007
72	Automatic reconstruction of a bacterial regulatory network using Natural Language Processing	HELADIA SALGADO OSORIO IRMA MARTINEZ FLORES PEDRO JULIO COLLADO VIDES et al.	Bmc Bioinformatics	2007
73	Development of genomic sciences in Mexico: A good start and a long way to go	RAFAEL RAUL PALACIOS DE LA LAMA PEDRO JULIO COLLADO VIDES	PLOS COMPUTATIONAL BIOLOGY	2007
74	Metabolic reconstruction and modeling of nitrogen fixation in Rhizobium etli	OSBALDO RESENDIS ANTONIO SERGIO MANUEL ENCARNACION GUEVARA PEDRO JULIO COLLADO VIDES et al.	PLOS COMPUTATIONAL BIOLOGY	2007
75	Coordination logic of the sensing machinery in the transcriptional regulatory network of Escherichia coli	HELADIA SALGADO OSORIO PEDRO JULIO COLLADO VIDES Janga S.C. et al.	NUCLEIC ACIDS RESEARCH	2007

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76	NLP-based curation of bacterial regulatory networks	HELADIA SALGADO OSORIO IRMA MARTINEZ FLORES PEDRO JULIO COLLADO VIDES et al.	Lecture Notes in Computer Science	2007
77	Multidimensional annotation of the Escherichia coli K-12 genome	PEDRO JULIO COLLADO VIDES MA. DEL SOCORRO GAMA CASTRO ALBERTO SANTOS ZAVALA et al.	NUCLEIC ACIDS RESEARCH	2007
78	Selection for unequal densities of s70 promoter-like signals in different regions of large bacterial genomes	ARACELI HUERTA MORENO JUAN ENRIQUE MORETT SANCHEZ PEDRO JULIO COLLADO VIDES et al.	PLOS GENETICS	2006
79	RegulonDB (version 5.0): Escherichia coli K-12 transcriptional regulatory network, operon organization, and growth conditions.	HELADIA SALGADO OSORIO MA. DEL SOCORRO GAMA CASTRO ALBERTO SANTOS ZAVALA et al.	NUCLEIC ACIDS RESEARCH	2006
80	Comparative footprinting of DNA-binding proteins	PEDRO JULIO COLLADO VIDES Contreras-Moreira B.	Bioinformatics	2006
81	Internal-sensing machinery directs the activity of the regulatory network in Escherichia coli	HELADIA SALGADO OSORIO PEDRO JULIO COLLADO VIDES Martínez-Antonio A. et al.	TRENDS IN MICROBIOLOGY	2006
82	The comprehensive updated regulatory network of Escherichia coli K-12	HELADIA SALGADO OSORIO ALBERTO SANTOS ZAVALA MA. DEL SOCORRO GAMA CASTRO et al.	Bmc Bioinformatics	2006
83	The partitioned Rhizobium etli genome: Genetic and metabolic redundancy in seven interacting replicons	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS MIGUEL ANGEL RAMIREZ ROMERO et al.	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2006
84	Positional conservation of clusters of overlapping promoter-like sequences in enterobacterial genomes	ARACELI HUERTA MORENO PEDRO JULIO COLLADO VIDES Francino M.P.	MOLECULAR BIOLOGY AND EVOLUTION	2006
85	Bacterial regulatory networks are extremely flexible in evolution	PEDRO JULIO COLLADO VIDES Lozada-Chávez I. Janga S.C.	NUCLEIC ACIDS RESEARCH	2006
86	Minimum information requested in the annotation of biochemical models (MIRIAM)	PEDRO JULIO COLLADO VIDES Le Novère N. Finney A. et al.	Nature Biotechnology	2005
87	The network of transcriptional interactions imposes linear constraints in the genome	PEDRO JULIO COLLADO VIDES Menchaca-Mendez R. Janga S.C.	OMICS	2005
88	Modular analysis of the transcriptional regulatory network of E. coli	OSBALDO RESENDIS ANTONIO JULIO AUGUSTO FREYRE GONZALEZ ROSA MARIA GUTIERREZ RIOS et al.	TRENDS IN GENETICS	2005

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89	EcoCyc: A comprehensive database resource for Escherichia coli	PEDRO JULIO COLLADO VIDES MA. DEL SOCORRO GAMA CASTRO Keseler I.M. et al.	NUCLEIC ACIDS RESEARCH	2005
90	TRACTOR_DB: A database of regulatory networks in gamma-proteobacterial genomes	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES González A.D. et al.	NUCLEIC ACIDS RESEARCH	2005
91	BClass: A Bayesian approach based on mixture models for clustering and classification of heterogeneous biological data	JOSE ANDRES CHRISTEN GRACIA PEDRO JULIO COLLADO VIDES Medrano-Soto A.	JOURNAL OF STATISTICAL SOFTWARE	2005
92	Nebulon: A system for the inference of functional relationships of gene products from the rearrangement of predicted operons	PEDRO JULIO COLLADO VIDES Janga S.C. Moreno-Hagelsieb G.	NUCLEIC ACIDS RESEARCH	2005
93	Diversification of DNA sequences in the symbiotic genome of Rhizobium etli	VIRGINIA PATRICIA BUSTOS ARCOS DELFINO GARCIA ALONSO YOLANDA PEREZ TEJADA Y DOMINGUEZ et al.	JOURNAL OF BACTERIOLOGY	2005
94	Nonlinear software sensor for monitoring genetic regulation processes with noise and modeling errors	PEDRO JULIO COLLADO VIDES Ibarra-Junquera V. Torres L.A. et al.	PHYSICAL REVIEW E	2005
95	Comparative studies of transcriptional regulation mechanisms in a group of eight gamma-proteobacterial genomes	ARACELI HUERTA MORENO PEDRO JULIO COLLADO VIDES Espinosa V. et al.	JOURNAL OF MOLECULAR BIOLOGY	2005
96	Complementing computationally predicted regulatory sites in Tractor_DB using a pattern matching approach	PEDRO JULIO COLLADO VIDES Guía M.H. Pérez A.G. et al.	In Silico Biology	2005
97	The E. coli EcoCyc database: No longer just a metabolic pathway database	PEDRO JULIO COLLADO VIDES Karp P.D. Arnaud M. et al.	Asm News	2004
98	Distribution of minigenes in the bacteriophage lambda chromosome	HELADIA SALGADO OSORIO PEDRO JULIO COLLADO VIDES GABRIEL GUARNEROS PEÑA et al.	Gene	2004
99	The growth of random networks as a diffusion process	OSBALDO RESENDIS ANTONIO PEDRO JULIO COLLADO VIDES	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	2004
100	Successful lateral transfer requires codon usage compatibility between foreign genes and recipient genomes	PABLO VINUESA FLEISCHMANN JOSE ANDRES CHRISTEN GRACIA PEDRO JULIO COLLADO VIDES et al.	MOLECULAR BIOLOGY AND EVOLUTION	2004
101	RegulonDB (version 4.0): Transcriptional regulation, operon organization and growth conditions in Escherichia coli K-12	HELADIA SALGADO OSORIO MA. DEL SOCORRO GAMA CASTRO DELFINO GARCIA ALONSO et al.	NUCLEIC ACIDS RESEARCH	2004

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102	Phylogenetic distribution of DNA-binding transcription factors in bacteria and archaea	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES LORENZO PATRICK SEGOVIA FORCELLA	Computational Biology And Chemistry	2004
103	The mosaic structure of the symbiotic plasmid of Rhizobium etli CFN42 and its relation to other symbiotic genome compartments.	VIRGINIA PATRICIA BUSTOS ARCOS MIGUEL ANGEL RAMIREZ ROMERO HELADIA SALGADO OSORIO et al.	Genome Biology	2003
104	Environmental Conditions and Transcriptional Regulation in Escherichia coli: A Physiological Integrative Approach	HELADIA SALGADO OSORIO MA. DEL SOCORRO GAMA CASTRO ROSA MARIA GUTIERREZ RIOS et al.	BIOTECHNOLOGY AND BIOENGINEERING	2003
105	Identifying global regulators in transcriptional regulatory networks in bacteria	PEDRO JULIO COLLADO VIDES Martínez-Antonio A.	CURRENT OPINION IN MICROBIOLOGY	2003
106	Regulatory network of Escherichia coli: Consistency between literature knowledge and microarray profiles	ROSA MARIA GUTIERREZ RIOS DAVID ARTURO ROSENBLUETH LAGUETTE ARACELI HUERTA MORENO et al.	GENOME RESEARCH	2003
107	Conservation of DNA curvature signals in regulatory regions of prokaryotic genes	PEDRO JULIO COLLADO VIDES ENRIQUE MERINO PEREZ Jáuregui R. et al.	NUCLEIC ACIDS RESEARCH	2003
108	Regulation of expression of symbiotic genes in Rhizobium sp. NGR234	PEDRO JULIO COLLADO VIDES Perret X. Kobayashi H.	INDIAN J EXP BIOL	2003
109	Sigma70 promoters in Escherichia coli: Specific transcription in dense regions of overlapping promoter-like signals	ARACELI HUERTA MORENO PEDRO JULIO COLLADO VIDES	JOURNAL OF MOLECULAR BIOLOGY	2003
110	With the finished human genome in hand, what next?	PEDRO JULIO COLLADO VIDES MARIA TERESA TUSIE LUNA Medrano-Soto A.	GENOME BIOLOGY	2003
111	The EcoCyc database	PEDRO JULIO COLLADO VIDES CESAR AUGUSTO BONAVIDES MARTINEZ MA. DEL SOCORRO GAMA CASTRO et al.	NUCLEIC ACIDS RESEARCH	2002
112	Analysis of the cellular functions of Escherichia coli operons and their conservation in Bacillus subtilis	PEDRO JULIO COLLADO VIDES De Daruvar A. Valencia A.	JOURNAL OF MOLECULAR EVOLUTION	2002
113	Operon conservation from the point of view of Escherichia coli, and inference of functional interdependence of gene products from genome context	PEDRO JULIO COLLADO VIDES Moreno-Hagelsieb G.	In Silico Biology	2002
114	Microbial computational genomics of gene regulation	PEDRO JULIO COLLADO VIDES Moreno-Hagelsieb G. Medrano-Soto A.	PURE AND APPLIED CHEMISTRY	2002

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115	Erratum: Common pitfalls in bioinformatics based analyses: Look before you leap (Trends in Genetics (2001) 17 (541-545) PII S0168952502026628)	ARACELI HUERTA MORENO ROSA MARIA GUTIERREZ RIOS PEDRO JULIO COLLADO VIDES et al.	TRENDS IN GENETICS	2002
116	Evaluation of thresholds for the detection of binding sites for regulatory proteins in Escherichia coli K12 DNA.	PEDRO JULIO COLLADO VIDES Benítez-Bellón E. Moreno-Hagelsieb G.	Genome Biology	2002
117	Towards a bioinformatics network for Latin America and the Caribbean (LACBioNet).	PEDRO JULIO COLLADO VIDES Degraive W.M. Vargas R. et al.	Applied Bioinformatics	2002
118	A powerful non-homology method for the prediction of operons in prokaryotes.	PEDRO JULIO COLLADO VIDES Moreno-Hagelsieb G.	Bioinformatics	2002
119	RegulonDB (version 3.2): Transcriptional regulation and operon organization in Escherichia coli K-12	HELADIA SALGADO OSORIO ALBERTO SANTOS ZAVALA MA. DEL SOCORRO GAMA CASTRO et al.	NUCLEIC ACIDS RESEARCH	2001
120	Conserved regulatory elements of the promoter sequence of the gene rpoH of enteric bacteria	JESUS RAMIREZ SANTOS PEDRO JULIO COLLADO VIDES JOSE MARTIN GARCIA VARELA et al.	NUCLEIC ACIDS RESEARCH	2001
121	A comparative genomics approach to prediction of new members of regulons	PEDRO JULIO COLLADO VIDES Tan K. Moreno-Hagelsieb G. et al.	GENOME RESEARCH	2001
122	Transcription unit conservation in the three domains of life: A perspective from Escherichia coli	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES Moreno-Hagelsieb G. et al.	TRENDS IN GENETICS	2001
123	Common history at the origin of the position - Function correlation in transcriptional regulators in archaea and bacteria	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES	JOURNAL OF MOLECULAR EVOLUTION	2001
124	Promoter interference in a bacteriophage lambda control region: Effects of a range of interpromoter distances	PEDRO JULIO COLLADO VIDES Strainic Jr. M.G. Sullivan J.J. et al.	JOURNAL OF BACTERIOLOGY	2000
125	The repertoire of DNA-binding transcriptional regulators in Escherichia coli K-12	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES	NUCLEIC ACIDS RESEARCH	2000
126	Operons in Escherichia coli: Genomic analyses and predictions	HELADIA SALGADO OSORIO PEDRO JULIO COLLADO VIDES Moreno-Hagelsieb G. et al.	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2000

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127	A web site for the computational analysis of yeast regulatory sequences	PEDRO JULIO COLLADO VIDES Van Helden J. André B.	Yeast	2000
128	Discovering regulatory elements in non-coding sequences by analysis of spaced dyads	PEDRO JULIO COLLADO VIDES Van Helden J. Rios A.F.	NUCLEIC ACIDS RESEARCH	2000
129	RegulonDB (version 3.0): Transcriptional regulation and operon organization in Escherichia coli K-12	HELADIA SALGADO OSORIO ALBERTO SANTOS ZAVALA MA. DEL SOCORRO GAMA CASTRO et al.	NUCLEIC ACIDS RESEARCH	2000
130	RegulonDB (version 2.0): A database on transcriptional regulation in Escherichia coli	HELADIA SALGADO OSORIO PEDRO JULIO COLLADO VIDES Santos A. et al.	NUCLEIC ACIDS RESEARCH	1999
131	Modeling and simulation of gene regulation and metabolic pathways	PEDRO JULIO COLLADO VIDES Hofstadt R. Mavrouniotis M. et al.	Biosystems	1999
132	RegulonDB: A database on transcriptional regulation in Escherichia coli	ARACELI HUERTA MORENO HELADIA SALGADO OSORIO PEDRO JULIO COLLADO VIDES et al.	NUCLEIC ACIDS RESEARCH	1998
133	Prediction of transcriptional regulatory sites in the complete genome sequence of Escherichia coli K-12	HELADIA SALGADO OSORIO ARACELI HUERTA MORENO PEDRO JULIO COLLADO VIDES et al.	Bioinformatics	1998
134	From specific gene regulation to genomic networks: A global analysis of transcriptional regulation in Escherichia coli	ARACELI HUERTA MORENO ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES et al.	Bioessays	1998
135	Extracting regulatory sites from the upstream region of yeast genes by computational analysis of oligonucleotide frequencies	PEDRO JULIO COLLADO VIDES Van Helden J. André B.	JOURNAL OF MOLECULAR BIOLOGY	1998
136	Networks of transcriptional regulation encoded in a grammatical model	PEDRO JULIO COLLADO VIDES Gutiérrez-Ríos R.M. Bel-Enguix G.	Biosystems	1998
137	Genomic position analyses and the transcription machinery	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES Gralla J.D.	JOURNAL OF MOLECULAR BIOLOGY	1998
138	Three models of gene regulation in E. coli	PEDRO JULIO COLLADO VIDES ARACELI HUERTA MORENO Klose K.	Lecture Notes in Computer Science	1997
139	The complete genome sequence of Escherichia coli K-12	PEDRO JULIO COLLADO VIDES Blattner F.R. Plunkett III G. et al.	Science	1997

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140	Definite-clause grammars for the analysis of cis-regulatory regions in E. coli.	DAVID ARTURO ROSENBLUETH LAGUETTE ARACELI HUERTA MORENO HELADIA SALGADO OSORIO et al.	Pacific Symposium On Biocomputing. Pacific Symposium On Biocomputing	1997
141	Towards a unified grammatical model of s70 and s54 bacterial promoters	PEDRO JULIO COLLADO VIDES	Biochimie	1996
142	Modeling and simulation of metabolic pathways, gene regulation and cell differentiation. International Conference and Research Center for Computer Science, Schloss Dagstuhl, Saarland, Germany, 22-27 October, 1995	PEDRO JULIO COLLADO VIDES Hofstadt R. Mavrovouniotis M. et al.	Bioessays	1996
143	Syntactic recognition of regulatory regions in escherichia coli	DAVID ARTURO ROSENBLUETH LAGUETTE ARACELI HUERTA MORENO HELADIA SALGADO OSORIO et al.	Bioinformatics	1996
144	Some ideas towards a grammatical model of the s54 bacterial promoters	PEDRO JULIO COLLADO VIDES	American Society Of Mechanical Engineers (paper)	1995
145	A linguistic representation of the regulation of transcription initiation. I. An ordered array of complex symbols with distinctive features	PEDRO JULIO COLLADO VIDES	Biosystems	1993
146	A linguistic representation of the regulation of transcription initiation. II. Distinctive features of sigma 70 promoters and their regulatory binding sites	PEDRO JULIO COLLADO VIDES	Biosystems	1993
147	The elements for a classification of units of genetic information with a combinatorial component	PEDRO JULIO COLLADO VIDES	JOURNAL OF THEORETICAL BIOLOGY	1993
148	Grammatical model of the regulation of gene expression	PEDRO JULIO COLLADO VIDES	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	1992

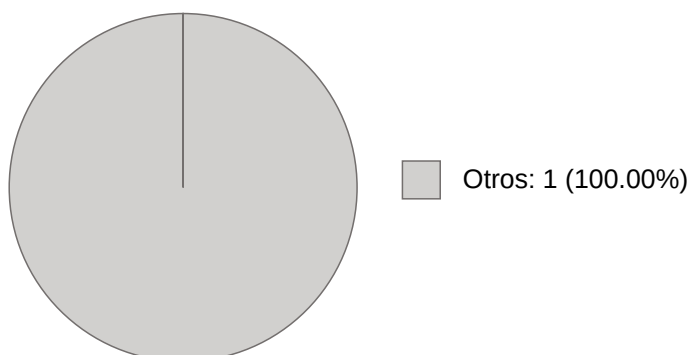
PEDRO JULIO COLLADO VIDES

149	The search for a grammatical theory of gene regulation is formally justified by showing the inadequacy of context-free grammars	PEDRO JULIO COLLADO VIDES	Bioinformatics	1991
150	Control site location and transcriptional regulation in Escherichia coli	PEDRO JULIO COLLADO VIDES Magasanik B. Gralla J.D.	MICROBIOL REV	1991
151	A syntactic representation of units of genetic information-A syntax of units of genetic information	PEDRO JULIO COLLADO VIDES	JOURNAL OF THEORETICAL BIOLOGY	1991
152	A transformational-grammar approach to the study of the regulation of gene expression	PEDRO JULIO COLLADO VIDES	JOURNAL OF THEORETICAL BIOLOGY	1989

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

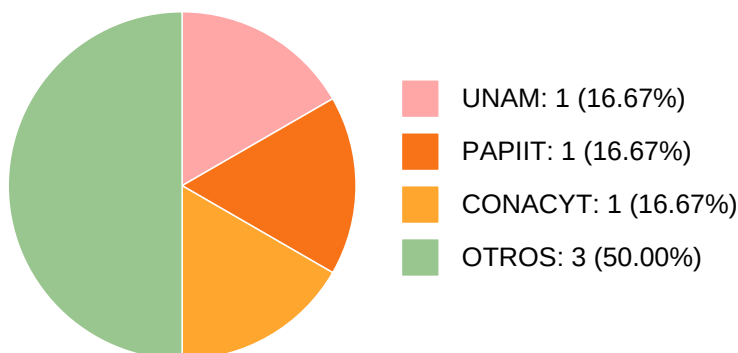


#	Título	Autores	Alcance	Año	ISBN
1	Towards the prokaryotic regulation ontology: An ontological model to infer gene regulation physiology from mechanisms in bacteria	PEDRO JULIO COLLADO VIDES Mejía-Almonte C. Dietz J. et al.	Conference Paper	2019	9789897583827

PEDRO JULIO COLLADO VIDES

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Genómica computacional y modelado de redes de regulación en bacterias.	PEDRO JULIO COLLADO VIDES	Presupuesto de la UNAM asignado a la Dependencia	01-01-2004	31-12-2020
2	Enfrentando el reto de integración genómico y bioinformático en dos modelos biológicos: E. coli y genoma humano. Transformar datos e información en conocimiento comprensible.	PEDRO JULIO COLLADO VIDES	Recursos CONACYT	01-05-2016	31-05-2018
3	Curación masiva de la literatura de la regulación genética en modelos bacterianos.	PEDRO JULIO COLLADO VIDES	Universidades, Centros, Institutos u Organismos Internacionales	01-01-2015	31-12-2018
4	Curación masiva de la liberatura de la Regulación Genética en Modelos Bacterianos	PEDRO JULIO COLLADO VIDES	Universidades, Centros, Institutos u Organismos Internacionales	01-01-2015	31-12-2019
5	Extracción automática de redes de regulación transcripcional de bacterias usando literatura biomédica	CARLOS FRANCISCO MENDEZ CRUZ PEDRO JULIO COLLADO VIDES	Recursos PAPIIT	01-01-2023	31-12-2025



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Reporte individual



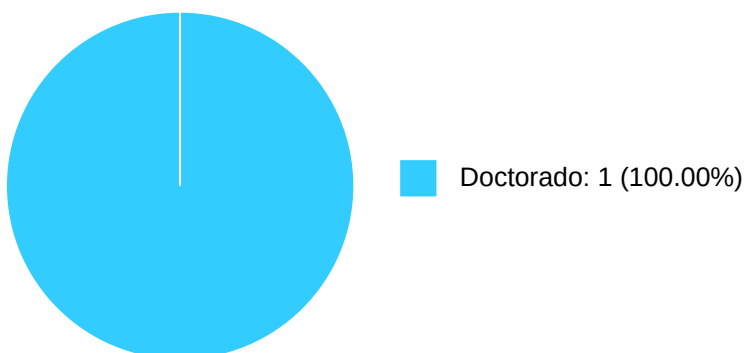
PEDRO JULIO COLLADO VIDES

6	BASE DE DATOS DE ORGANISMOS MODELO ECOCYC PARA ESCHERICHIA COLI.	PEDRO JULIO COLLADO VIDES	Recursos CONAHCyT	01-04-2015	30-06-2027
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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

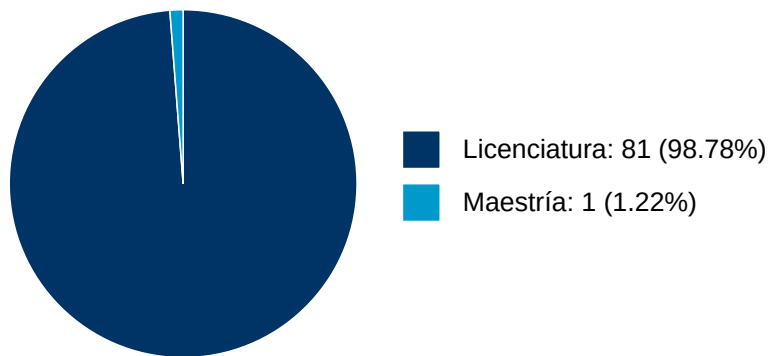


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Caracterización de las redes reguladoras de Escherichia coli K-12 por integración bioinformática de datos de alto rendimiento	Tesis de Doctorado	PEDRO JULIO COLLADO VIDES,	Rioualen, Claire,	Centro de Ciencias Genómicas,	2022

PEDRO JULIO COLLADO VIDES

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biotecnología	9	2024-2
2	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biotecnología	1	2024-2
3	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biotecnología	12	2023-2
4	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biotecnología	14	2022-2
5	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biotecnología	23	2021-2
6	Licenciatura	BIOINFORMATICA Y ESTADISTICA 1	Instituto de Biotecnología	23	2021-1
7	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biotecnología	22	2020-2
8	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biotecnología	23	2019-2
9	Maestría	CURSO IV	Instituto de Biotecnología	4	2019-2
10	Licenciatura	BIOINFORMATICA Y ESTADISTICA 1	Instituto de Biotecnología	23	2019-1
11	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biotecnología	14	2018-2
12	Licenciatura	BIOINFORMATICA Y ESTADISTICA 1	Instituto de Biotecnología	14	2018-1
13	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biotecnología	18	2017-2
14	Licenciatura	BIOINFORMATICA Y ESTADISTICA 1	Instituto de Biotecnología	18	2017-1
15	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2-22759	Instituto de Biotecnología	21	2016-2
16	Licenciatura	BIOINFORMATICA Y ESTADISTICA 1-19218	Instituto de Biotecnología	21	2016-1
17	Licenciatura	TOPICO SELECTO 3	Instituto de Biotecnología	1	2015-2
18	Licenciatura	TOPICO SELECTO 4	Instituto de Biotecnología	1	2015-2
19	Licenciatura	SEMINARIO DE INVESTIGACION 2	Instituto de Biotecnología	1	2015-2
20	Licenciatura	TRABAJO DE INVESTIGACION 4	Instituto de Biotecnología	1	2015-2
21	Licenciatura	TRABAJO DE INVESTIGACION 5	Instituto de Biotecnología	1	2015-2
22	Licenciatura	TRABAJO DE INVESTIGACION 6	Instituto de Biotecnología	1	2015-2
23	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biotecnología	15	2015-2

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24	Licenciatura	TRABAJO DE INVESTIGACION 1	Instituto de Biología	1	2015-1
25	Licenciatura	TRABAJO DE INVESTIGACION 2	Instituto de Biología	1	2015-1
26	Licenciatura	TRABAJO DE INVESTIGACION 3	Instituto de Biología	1	2015-1
27	Licenciatura	TOPICO SELECTO 1	Instituto de Biología	1	2015-1
28	Licenciatura	BIOINFORMATICA Y ESTADISTICA 1	Instituto de Biología	16	2015-1
29	Licenciatura	SEMINARIO DE INVESTIGACION 1	Instituto de Biología	1	2015-1
30	Licenciatura	TOPICO SELECTO 2	Instituto de Biología	1	2015-1
31	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biología	18	2014-2
32	Licenciatura	BIOINFORMATICA Y ESTADISTICA 1	Instituto de Biología	17	2014-1
33	Licenciatura	SEMINARIO 1	Instituto de Biología	18	2014-1
34	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biología	21	2013-2
35	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biología	22	2012-2
36	Licenciatura	SEMINARIO 1	Instituto de Biología	21	2012-1
37	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biología	22	2011-2
38	Licenciatura	TRABAJO DE INVESTIGACION 5	Instituto de Biología	1	2011-2
39	Licenciatura	TRABAJO DE INVESTIGACION 6	Instituto de Biología	1	2011-2
40	Licenciatura	TRABAJO DE INVESTIGACION 4	Instituto de Biología	1	2011-2
41	Licenciatura	TOPICO SELECTO 3	Instituto de Biología	1	2011-2
42	Licenciatura	TOPICO SELECTO 4	Instituto de Biología	1	2011-2
43	Licenciatura	SEMINARIO DE INVESTIGACION 2	Instituto de Biología	1	2011-2
44	Licenciatura	SEMINARIO DE INVESTIGACION 1	Instituto de Biología	1	2011-1
45	Licenciatura	TOPICO SELECTO 1	Instituto de Biología	1	2011-1
46	Licenciatura	TOPICO SELECTO 2	Instituto de Biología	1	2011-1
47	Licenciatura	TRABAJO DE INVESTIGACION 1	Instituto de Biología	1	2011-1
48	Licenciatura	TRABAJO DE INVESTIGACION 2	Instituto de Biología	1	2011-1
49	Licenciatura	TRABAJO DE INVESTIGACION 3	Instituto de Biología	1	2011-1
50	Licenciatura	SEMINARIO 1	Instituto de Biología	24	2011-1
51	Licenciatura	BIOINFORMATICA Y ESTADISTICA 2	Instituto de Biología	18	2010-2
52	Licenciatura	TRABAJO DE INVESTIGACION 4	Instituto de Biología	1	2010-2
53	Licenciatura	TRABAJO DE INVESTIGACION 4	Instituto de Biología	1	2010-2
54	Licenciatura	TRABAJO DE INVESTIGACION 5	Instituto de Biología	1	2010-2
55	Licenciatura	TRABAJO DE INVESTIGACION 5	Instituto de Biología	1	2010-2
56	Licenciatura	TRABAJO DE INVESTIGACION 6	Instituto de Biología	1	2010-2
57	Licenciatura	TRABAJO DE INVESTIGACION 6	Instituto de Biología	1	2010-2
58	Licenciatura	SEMINARIO DE INVESTIGACION 2	Instituto de Biología	1	2010-2
59	Licenciatura	SEMINARIO DE INVESTIGACION 2	Instituto de Biología	1	2010-2
60	Licenciatura	TOPICO SELECTO 4	Instituto de Biología	1	2010-2
61	Licenciatura	TOPICO SELECTO 4	Instituto de Biología	1	2010-2
62	Licenciatura	TOPICO SELECTO 3	Instituto de Biología	1	2010-2
63	Licenciatura	TOPICO SELECTO 3	Instituto de Biología	1	2010-2
64	Licenciatura	SEMINARIO DE INVESTIGACION 1	Instituto de Biología	1	2010-1
65	Licenciatura	TOPICO SELECTO 2	Instituto de Biología	1	2010-1
66	Licenciatura	BIOINFORMATICA Y ESTADISTICA 1	Instituto de Biología	18	2010-1

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67	Licenciatura	SEMINARIO 1	Instituto de Biología	21	2010-1
68	Licenciatura	TOPICO SELECTO 1	Instituto de Biología	1	2010-1
69	Licenciatura	TRABAJO DE INVESTIGACION 3	Instituto de Biología	1	2010-1
70	Licenciatura	TRABAJO DE INVESTIGACION 2	Instituto de Biología	1	2010-1
71	Licenciatura	TRABAJO DE INVESTIGACION 1	Instituto de Biología	1	2010-1
72	Licenciatura	SEMINARIO 1	Instituto de Biología	21	2009-1
73	Licenciatura	AREA DE CONCENTRACION I	Instituto de Biología	2	2008-2
74	Licenciatura	FRONTERAS EN LAS CIENCIAS GENOMICAS I	Instituto de Biología	2	2008-2
75	Licenciatura	FRONTERAS EN LAS CIENCIAS GENOMICAS II	Instituto de Biología	1	2008-2
76	Licenciatura	AREA DE CONCENTRACION II	Instituto de Biología	1	2008-2
77	Licenciatura	AREA DE CONCENTRACION II	Instituto de Biología	3	2008-1
78	Licenciatura	FRONTERAS EN LAS CIENCIAS GENOMICAS II	Instituto de Biología	3	2008-1
79	Licenciatura	FRONTERAS EN LAS CIENCIAS GENOMICAS I	Instituto de Biología	1	2008-1
80	Licenciatura	SEMINARIO Y TRABAJO DE INVESTIGACION I	Instituto de Biología	29	2008-1
81	Licenciatura	INTELIGENCIA ARTIFICIAL	Instituto de Biología	27	2008-1
82	Licenciatura	AREA DE CONCENTRACION I	Instituto de Biología	1	2008-1



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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	2008-2025
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