



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



CRUZ VARGAS DE LEON

Datos Generales

Nombre: CRUZ VARGAS DE LEON

Máximo nivel de estudios: LICENCIATURA

Antigüedad académica en la UNAM: 3 años

Nombramientos

Último: AYUDANTE PROFESOR B TP No Definitivo
Facultad de Ciencias
Desde 01-05-2015 hasta 15-08-2015

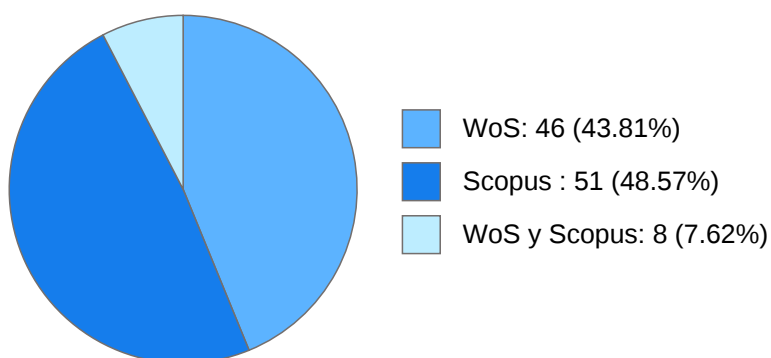
Estímulos, programas, premios y reconocimientos

SNI I 2018 - 2023
SNI C 2015 - 2017

CRUZ VARGAS DE LEON

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Periodic solutions of seasonal epidemiological models with information-dependent vaccination	SHADAY GUERRERO FLORES CRUZ VARGAS DE LEON Osvaldo Osuna	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2024
2	Immunogenicity of Two Doses of BNT162b2 mRNA COVID-19 Vaccine with a ChAdOx1-S Booster Dose among Navy Personnel in Mexico	ELIZABETH DIAZ PADILLA VERONICA FERNANDEZ SANCHEZ CRUZ VARGAS DE LEON et al.	Viruses-Basel	2024
3	Study of the metabolic syndrome severity index as a predictive factor of a major cardiovascular event in premenopausal women with systemic lupus erythematosus;	CRUZ VARGAS DE LEON ANTONIO RAFAEL VILLA ROMERO HORACIO MARQUEZ GONZALEZ et al.	MEDICINA CLINICA	2024
4	Modulator Effect of ATI Receptor Knockdown on THP-1 Macrophage Proinflammatory Activity	IRIS SELENE PAREDES GONZALEZ CRUZ VARGAS DE LEON Lourdes Nallely Acevedo-Villavicencio et al.	BIOLOGY-BASEL	2024
5	A global survey on the use of the international classification of diseases codes for metabolic dysfunction-associated fatty liver disease	NAHUM MENDEZ SANCHEZ NORBERTO CARLOS CHAVEZ TAPIA MARIA DE FATIMA HIGUERA DE LA TIJERA et al.	HEPATOLOGY INTERNATIONAL	2024

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6	Neutralizing Antibodies against SARS-CoV-2: Importance of Comorbidities in Health Personnel against Reinfections	CRUZ VARGAS DE LEON MONICA ALETHIA CUREÑO DIAZ JUAN CARLOS BRAVATA ALCANTARA et al.	Viruses-Basel	2023
7	COVID-19 Outbreak during Summer Courses at an Elementary School	GUADALUPE SILVIA GARCIA DE LA TORRE CRUZ VARGAS DE LEON Pantoja-Meléndez C. et al.	Children-Basel	2023
8	Molecular Characterization of Bacterial Agents Causing External Ocular Infections Isolates of Patients in a Third Level Hospital	CRUZ VARGAS DE LEON MARIO ADAN MORENO EUTIMIO RODOLFO PASTELIN PALACIOS et al.	Pathogens	2023
9	Mechanical complications of weekly care and maintenance versus once every 10 days of the peripherally inserted central catheter line insertion site in newborns: A propensity score-matched cohort study in Mexico	CRUZ VARGAS DE LEON Garduño-Crespo A. del Carmen Velázquez-Núñez M. et al.	JOURNAL OF PEDIATRIC NURSING-NURSI NG CARE OF CHILDREN & FAMILIES	2022
10	Epidemiological and Clinical Characteristics of Hospitalized Pediatric Patients with SARS-CoV-2 Infection in Mexico City, Mexico	GUSTAVO ESTEBAN LUGO ZAMUDIO CRUZ VARGAS DE LEON Aguilar-Rojas A. et al.	CANADIAN JOURNAL OF INFECTIOUS DISEASES & MEDICAL MICROBIOLOGY	2022
11	Interaction of metabolic dysfunction-associated fatty liver disease and nonalcoholic fatty liver disease with advanced fibrosis in the death and intubation of patients hospitalized with coronavirus disease 2019	CRUZ VARGAS DE LEON Vázquez-Medina M.U. Cerda-Reyes E. et al.	Hepatology Communicatio ns	2022
12	A Simple Mathematics Motivation Scale and Study of Validation in Mexican Adolescents	CRUZ VARGAS DE LEON Arellano-García Y. Guzmán-Martínez M. et al.	SAGE Open	2022
13	Global stability of nonhomogeneous coexisting equilibrium state for the multispecies Lotka-Volterra mutualism models with diffusion	CRUZ VARGAS DE LEON	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2022
14	Convalescent Plasma to Treat COVID-19: A Two-Center, Randomized, Double-Blind Clinical Trial	CARLOS CABELLO GUTIERREZ ELIZABETH DIAZ PADILLA CATALINA CASILLAS SUAREZ et al.	LIFE-BASEL	2022

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15	Operative and Survival Outcomes of Robotic-Assisted Surgery for Colorectal Cancer in Elderly and Very Elderly Patients: A Study in a Tertiary Hospital in South Korea	CRUZ VARGAS DE LEON Cuellar-Gomez H. Rusli S.M. et al.	Journal Of Oncology	2022
16	Stability, Bifurcation, and a Pair of Conserved Quantities in a Simple Epidemic System with Reinfection for the Spread of Diseases Caused by Coronaviruses	JORGE FERNANDO CAMACHO PEREZ CRUZ VARGAS DE LEON	DISCRETE DYN NAT SOC	2021
17	PREFACE OF THE SPECIAL ISSUE: FUZZY LOGIC AND ITS APPLICATION TO MODELING EPIDEMIES: CORONAVIRUS AND BEYOND	CRUZ VARGAS DE LEON Castillo O. Hammouch Z. et al.	APPL COMPUT MATH-BAK	2021
18	Stability and Lyapunov functions for systems with Atangana-Baleanu Caputo derivative: An HIV/AIDS epidemic model	CRUZ VARGAS DE LEON Taneco-Hernández M.A.	CHAOS SOLITONS & FRACTALS	2020
19	Intense craving for appetizing foods: Validation and standardization of the food cravings questionnaire-trait in Mexico	CRUZ VARGAS DE LEON Marín-Soto M.D. Pérez-Vielma N.M. et al.	GACETA MEDICA DE MEXICO	2020
20	Epidemiological behavior and current forecast of syphilis in Mexico: increase in male population	CRUZ VARGAS DE LEON JAVIER MANCILLA RAMIREZ A. Rojas Bernabe et al.	Public Health	2020
21	Efficacy of Diltiazem for the Control of Blood Pressure in Puerperal Patients with Severe Preeclampsia: A Randomized, Single-Blind, Controlled Trial	CRUZ VARGAS DE LEON Arias-Hernández G. Calzada-Mendoza C.C. et al.	International Journal of Hypertension	2020
22	Complications of Renal Transplantation That Influence the Presence of Hyperuricemia in Its First Year of Evolution	CRUZ VARGAS DE LEON Cheng M.D.C.A. Pérez R.E. et al.	TRANSPLANTATI ON PROCEEDINGS	2020
23	Interaction of Breast Cancer and Insulin Resistance on PD1 and TIM3 Expression in Peripheral Blood CD8 T Cells	CRUZ VARGAS DE LEON JULIO CESAR CARRERO SANCHEZ GLORIA EUGENIA QUEIPO GARCIA et al.	PATHOLOGY & ONCOLOGY RESEARCH	2019
24	Existence of a Conserved Quantity and Stability of In Vitro Virus Infection Dynamics Models with Absorption Effect	CRUZ VARGAS DE LEON Martínez-Lázaro C. Taneco-Hernández M.A. et al.	COMPUTATIONA L AND MATHEMATICAL METHODS IN MEDICINE	2019
25	Periodic solutions for seasonal SIRS models with nonlinear infection terms	SHADAY GUERRERO FLORES CRUZ VARGAS DE LEON Osuna O.	ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS	2019

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26	HPV could be a potential factor of survival in laryngeal cancer: A preliminary study in Mexican patients	MARIA ISABEL ALVARADO CABRERO CRUZ VARGAS DE LEON Peralta R. et al.	ASIAN PACIFIC JOURNAL OF CANCER PREVENTION	2018
27	Qualitative Stability Analysis of an Obesity Epidemic Model with Social Contagion	CRUZ VARGAS DE LEON Lozano-Ochoa, E. Camacho, J.F.	DISCRETE DYN NAT SOC	2017
28	Global stability of infectious disease models with contact rate as a function of prevalence index	CRUZ VARGAS DE LEON D'Onofrio, A.	MATHEMATICAL BIOSCIENCES AND ENGINEERING	2017
29	A note on the existence and construction of Dulac functions	CRUZ VARGAS DE LEON Osuna, O. Rodríguez-Ceballos, J. et al.	NONLINEAR ANALYSIS-MODELLING AND CONTROL	2017
30	Modeling the dynamics of chromosomal alteration progression in cervical cancer: A computational model	AUGUSTO CABRERA BECERRIL CRUZ VARGAS DE LEON SERGIO HERNANDEZ ZAPATA et al.	PLOS ONE	2017
31	Highly suppressive regulatory T cells frequency in peripheral blood of breast cancer patients and their association with exhausted T CD8 lymphocytes	CRUZ VARGAS DE LEON ESPERANZA GABRIELA GUTIERREZ REYES Martin Manzo, V, M. et al.	EUROPEAN JOURNAL OF IMMUNOLOGY	2016
32	Global stability properties of age-dependent epidemic models with varying rates of recurrence	CRUZ VARGAS DE LEON	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2016
33	Global stability results in a SVIR epidemic model with immunity loss rate depending on the vaccine-age	CRUZ VARGAS DE LEON PEDRO EDUARDO MIRAMONTES VIDAL Peralta R.	ABSTR APPL ANAL	2015
34	Stability and Hopf bifurcation in a delayed viral infection model with mitosis transmission	CRUZ VARGAS DE LEON Avila-Vales E. Chan-Chí N. et al.	APPLIED MATHEMATICS AND COMPUTATION	2015
35	Volterra-type Lyapunov functions for fractional-order epidemic systems	CRUZ VARGAS DE LEON	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2015
36	Construction of Dulac functions for mathematical models in population biology	CRUZ VARGAS DE LEON Osuna O.	INTERNATIONAL JOURNAL OF BIOMATHEMATICS	2015

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37	Global stability for multi-species Lotka-Volterra cooperative systems: One hyper-connected mutualistic-species	CRUZ VARGAS DE LEON	INTERNATIONAL JOURNAL OF BIOMATHEMATICS	2015
38	Global analysis of virus dynamics model with logistic mitosis, cure rate and delay in virus production	CRUZ VARGAS DE LEON Chan Chi, Noe Avila Vales, Eric	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2015
39	Qualitative analysis and optimal control of an epidemic model with vaccination and treatment	CRUZ VARGAS DE LEON Buonomo, Bruno Lacitignola, Deborah	MATHEMATICS AND COMPUTERS IN SIMULATION	2014
40	The complete classification for global dynamics of a model for the persistence of HTLV-I infection	CRUZ VARGAS DE LEON	APPLIED MATHEMATICS AND COMPUTATION	2014
41	GLOBAL PROPERTIES FOR A VIRUS DYNAMICS MODEL WITH LYTIC AND NON-LYTIC IMMUNE RESPONSES, AND NONLINEAR IMMUNE ATTACK RATES	CRUZ VARGAS DE LEON	JOURNAL OF BIOLOGICAL SYSTEMS	2014
42	Effects of Mosquitoes Host Choice on Optimal Intervention Strategies for Malaria Control	CRUZ VARGAS DE LEON Buonomo, Bruno	ACTA APPLICANDAE MATHEMATICAE	2014
43	Stability and bifurcation analysis of a vector-bias model of malaria transmission	CRUZ VARGAS DE LEON Buonomo, Bruno	MATHEMATICAL BIOSCIENCES	2013
44	Global stability of a population dynamics model with inhibition and negative feedback	CRUZ VARGAS DE LEON Korobeinikov, Andrei	MATH MED BIOL	2013
45	GLOBAL ANALYSIS OF A DELAYED VECTOR-BIAS MODEL FOR MALARIA TRANSMISSION WITH INCUBATION PERIOD IN MOSQUITOES	CRUZ VARGAS DE LEON	MATHEMATICAL BIOSCIENCES AND ENGINEERING	2012
46	Global stability for an HIV-1 infection model including an eclipse stage of infected cells	CRUZ VARGAS DE LEON Buonomo, Bruno	JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS	2012
47	Analysis of a model for the dynamics of hepatitis B with noncytolytic loss of infected cells	CRUZ VARGAS DE LEON	World Journal of Modelling and Simulation	2012

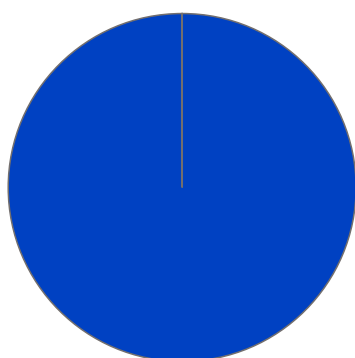
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48	Lyapunov functions for two-species cooperative systems	CRUZ VARGAS DE LEON	APPLIED MATHEMATICS AND COMPUTATION	2012
49	Stability analysis of a model for HBV infection with cure of infected cells and intracellular delay	CRUZ VARGAS DE LEON	APPLIED MATHEMATICS AND COMPUTATION	2012
50	On the global stability of SIS, SIR and SIRS epidemic models with standard incidence	CRUZ VARGAS DE LEON	CHAOS SOLITONS & FRACTALS	2011
51	Global properties for virus dynamics model with mitotic transmission and intracellular delay	CRUZ VARGAS DE LEON	JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS	2011
52	Qualitative study of transmission dynamics of drug-resistant malaria	MARIA DE LOURDES ESTEVA PERALTA CRUZ VARGAS DE LEON Gumel, Abba B.	MATHEMATICAL AND COMPUTER MODELLING	2009

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



Libros completos: 3 (100.00%)

#	Título	Autores	Alcance	Año	ISBN
1	Teoría y aplicaciones en probabilidad y estadística	CAROLINA ESPINOSA LUNA CATHERINE MENKES BANCET LEOPOLDO NUÑEZ FERNANDEZ et al.	Libro Completo	2023	9786075259338
2	Actualidad en probabilidad y estadística	OLGA VICTORIA SERRANO SANCHEZ CATHERINE MENKES BANCET GUILLERMO OLIVERA LOZANO et al.	Libro Completo	2020	9786075257136
3	Avanza: sistemas dinámicos, matemáticas aplicadas y lógica matemática	CRUZ VARGAS DE LEON	Libro Completo	2016	9786075201924



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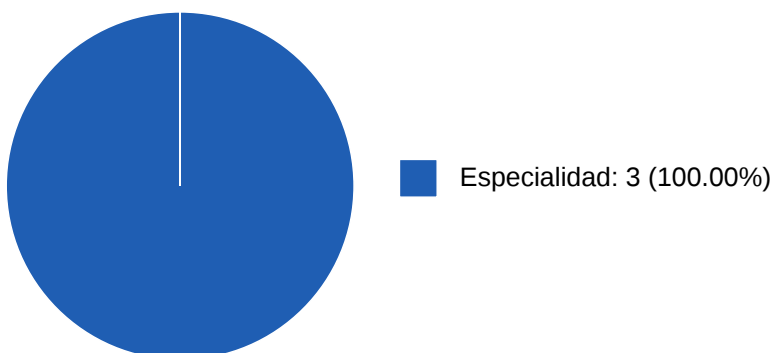
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	"Tumores de nariz y senos paranasales : incidencia de la enfermedad y rol de la cirugía endoscópica y abierta en pacientes del Hospital Juárez de México"	Tesis de Especialidad	CRUZ VARGAS DE LEON,	Jiménez López, Eloísa,		2022
2	Evaluación del conocimiento en lactancia materna en el personal de salud relacionado con la atención del binomio madre hijo del Hospital Juárez de México	Tesis de Especialidad	VERONICA FERNANDEZ SANCHEZ,	ERIKA GOMEZ ZAMORA, CRUZ VARGAS DE LEON, et al.	Facultad de Estudios Superiores "Iztacala", Facultad de Estudios Superiores "Zaragoza", Facultad de Medicina,	2022
3	"Hallazgo de cáncer de próstata en resecciones transuretrales, correlación clínico morfológica en la población del Hospital Juárez de México en el periodo 2015 a 2021	Tesis de Especialidad	CRUZ VARGAS DE LEON,	Figueroa Gamiño, Diana Laura,		2022



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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