ALEJANDRO FRANK HOEFLICH

Datos Generales

Nombre: ALEJANDRO FRANK HOEFLICH

Máximo nivel de estudios: POSDOCTORADO

Antigüedad académica en la UNAM: 50 años

Nombramientos

Vigente: INVESTIGADOR EMERITO TC Definitivo
Instituto de Ciencias Nucleares
Desde 16-05-2016

Estímulos, programas, premios y reconocimientos

SNI Emérito 2022 - VIGENTE
SNI III - 2021
PRIDE D - 2015
RDUNJA Investigación en ciencias exactas 1991
PUN Investigación en ciencias exactas 2001

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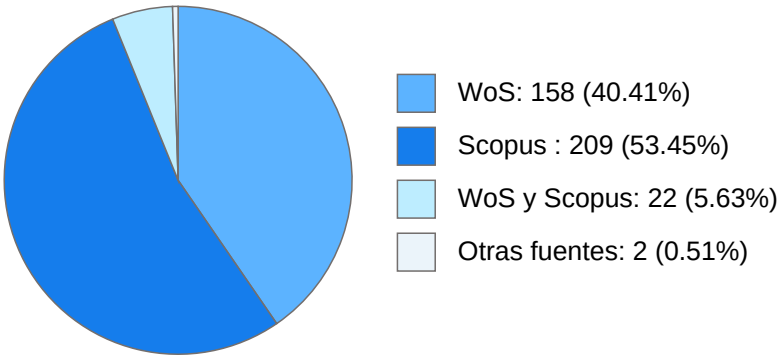
DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	The missing link: how the holobiont concept provides a genetic framework for rapid evolution and the inheritance of acquired characteristics	MAXIMINO ALDANA GONZALEZ ALEJANDRO FRANK HOEFLICH Saul Huitzil et al.	Frontiers In Ecology And Evolution	2023
2	Poincaré maps on population-based data of subjects with a confirmatory diagnosis of COVID-19	PALOMA ALMEDA VALDES ANTONIO BARAJAS MARTINEZ ELIZABETH GUADALUPE IBARRA CORONADO et al.	AIP Conference Proceedings	2023
3	Long-term follow-up of Covid-19 treatment with polymerized type i collagen: Modifications to the physiological network	ANTONIO BARAJAS MARTINEZ ELIZABETH GUADALUPE IBARRA CORONADO ALEJANDRO FRANK HOEFLICH et al.	AIP Conference Proceedings	2023
4	Physiological Network Is Disrupted in Severe COVID-19	ANTONIO BARAJAS MARTINEZ RUBEN YVAN MAARTEN FOSSION IBAR ANTONIO GONZALEZ ALVAREZ et al.	FRONTIERS IN PHYSIOLOGY	2022
5	Physiological Network From Anthropometric and Blood Test Biomarkers	ANTONIO BARAJAS MARTINEZ ELIZABETH GUADALUPE IBARRA CORONADO IVETTE CRUZ BAUTISTA et al.	FRONTIERS IN PHYSIOLOGY	2021

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6	Cardiovascular dysautonomia in Achalasia Patients: Blood pressure and heart rate variability alterations	ANA LEONOR RIVERA LOPEZ BRUNO ESTAÑOL VIDAL JULIO JOSE MACIAS GALLARDO et al.	PLOS ONE	2021
7	Criticality in a multisignal system using principal component analysis	JUAN CLAUDIO TOLEDO ROY ALEJANDRO FRANK HOEFLICH Sánchez-Islas M.	PHYSICAL REVIEW E	2021
8	Sex Differences in the Physiological Network of Healthy Young Subjects	ANTONIO BARAJAS MARTINEZ ELIZABETH GUADALUPE IBARRA CORONADO RUBEN YVAN MAARTEN FOSSION et al.	FRONTIERS IN PHYSIOLOGY	2021
9	Cardio-respiratory variability of healthy young subjects	ANTONIO BARAJAS MARTINEZ ANGELICA GERALDINE TELLO SANTOYO ADRIANA ROBLES CABRERA et al.	AIP Conference Proceedings	2021
10	Quantum Chaos in Time Series of Single Photons as a Superposition of Wave and Particle States	DIEGO ALBERTO LARA BUSTILLOS JEHU LOPEZ APARICIO GUSTAVO ARMENDARIZ PEÑA et al.	Photonics	2021
11	Quantum-Optical set-up for the Monty Hall problem	LUIS FERNANDO QUEZADA MATA JOSE ALBERTO MARTIN RUIZ ALEJANDRO FRANK HOEFLICH et al.	PHYSICA SCRIPTA	2020
12	Quantum phase transition of two-level atoms interacting with a finite radiation field	LUIS FERNANDO QUEZADA MATA JOSE ALBERTO MARTIN RUIZ ALEJANDRO FRANK HOEFLICH	JOURNAL OF MATHEMATICAL PHYSICS	2020
13	Symmetry and Signs of Self-Organized Criticality in Living Organisms	ANA LEONOR RIVERA LOPEZ JUAN CLAUDIO TOLEDO ROY ALEJANDRO FRANK HOEFLICH	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2020
14	Phenotype Heritability in Holobionts: An Evolutionary Model	ALEJANDRO FRANK HOEFLICH MAXIMINO ALDANA GONZALEZ Huitzil S. et al.	Results and Problems in Cell Differentiation	2020
15	Cardiac Autonomic Neuropathy in Diabetic Patients	ADRIANA ROBLES CABRERA BRUNO ESTAÑOL VIDAL RUBEN YVAN MAARTEN FOSSION et al.	AIP Conference Proceedings	2019
16	The Role of the Autonomic Nervous System on Cardiac Rhythm during the Evolution of Diabetes Mellitus Using Heart Rate Variability as a Biomarker	Alondra Albarado Ibanez ALEJANDRO FRANK HOEFLICH DAVID GARCIA GUDIÑO et al.	JOURNAL OF DIABETES RESEARCH	2019

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17	Dynamical phase transition in spike neuronal firing patterns of hippocampal cells	JORGE GERARDO BRAVO MARTINEZ ANA LEONOR RIVERA LOPEZ JUAN CLAUDIO TOLEDO ROY et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	2019
18	Atmospheric blockages as trigger of environmental contingencies in Mexico City	RAFAEL SILVA QUIROZ ANA LEONOR RIVERA LOPEZ PAULINA ORDOÑEZ PEREZ et al.	Heliyon	2019
19	Analysis of properties of Ising and Kuramoto models that are preserved in networks constructed by visualization algorithms	DAVID GARCIA GUDIÑO IRVING OMAR MORALES AGISS ALEJANDRO FRANK HOEFLICH et al.	PLOS ONE	2019
20	Supersymmetry in Nuclear Physics	ALEJANDRO FRANK HOEFLICH Jolie J. Isacker P.V.	SPRINGER TR MOD PHYS	2019
21	Symmetry in Nuclear Physics: The Interacting Boson Model	ALEJANDRO FRANK HOEFLICH Jolie J. Isacker P.V.	SPRINGER TR MOD PHYS	2019
22	Supersymmetry and Supersymmetric Quantum Mechanics	ALEJANDRO FRANK HOEFLICH Jolie J. Isacker P.V.	SPRINGER TR MOD PHYS	2019
23	Symmetries with Neutrons and Protons	ALEJANDRO FRANK HOEFLICH Jolie J. Isacker P.V.	SPRINGER TR MOD PHYS	2019
24	Supersymmetries with Neutrons and Protons	ALEJANDRO FRANK HOEFLICH Jolie J. Isacker P.V.	SPRINGER TR MOD PHYS	2019
25	Symmetry and Supersymmetry in Quantal Many-Body Systems	ALEJANDRO FRANK HOEFLICH Jolie J. Isacker P.V.	SPRINGER TR MOD PHYS	2019
26	Symmetry in Nuclear Physics: The Shell Model	ALEJANDRO FRANK HOEFLICH Jolie J. Isacker P.V.	SPRINGER TR MOD PHYS	2019
27	Conclusion	ALEJANDRO FRANK HOEFLICH Jolie J. Isacker P.V.	SPRINGER TR MOD PHYS	2019
28	Symmetry, criticality and complex systems	JUAN CLAUDIO TOLEDO ROY ANA LEONOR RIVERA LOPEZ ALEJANDRO FRANK HOEFLICH	AIP Conference Proceedings	2019
29	Assessing sustainability in North America's ecosystems using criticality and information theory	OLIVER XAVIER LOPEZ CORONA JUAN CLAUDIO TOLEDO ROY ALEJANDRO FRANK HOEFLICH et al.	PLOS ONE	2018
30	The Standard Genetic Code can Evolve from a Two-Letter GC Code Without Information Loss or Costly Reassignments	ALEJANDRO FRANK HOEFLICH TOM FROESE	ORIGINS OF LIFE AND EVOLUTION OF BIOSPHERES	2018
31	Forest Complexity in the Green Tonality of Satellite Images	ANA LEONOR RIVERA LOPEZ ALEJANDRO FRANK HOEFLICH López-Rivera J.A.	Springer Proceedings In Complexity	2018

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32	Modeling the Role of the Microbiome in Evolution	ALEJANDRO FRANK HOEFLICH MAXIMINO ALDANA GONZALEZ Seul Huitzil et al.	FRONTIERS IN PHYSIOLOGY	2018
33	The human microbiome and the missing heritability problem	MAXIMINO ALDANA GONZALEZ MARIA ESPERANZA MARTINEZ ROMERO ALEJANDRO FRANK HOEFLICH et al.	Frontiers in Genetics	2017
34	Main Nuclear Physics requirements for the robustness of r-process nucleosynthesis calculations in slow ejecta from neutron-star mergers (NSM)	JOEL DE JESUS MENDOZA TEMIS ALEJANDRO FRANK HOEFLICH	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2017
35	Enhancement of early warning properties in the Kuramoto model and in an atrial fibrillation model due to an external perturbation of the system	DAVID GARCIA GUDIÑO JOEL DE JESUS MENDOZA TEMIS JUAN CLAUDIO TOLEDO ROY et al.	PLOS ONE	2017
36	Evolving Ecosystems: Inheritance and Selection in the Light of the Microbiome	MAXIMINO ALDANA GONZALEZ ALEJANDRO FRANK HOEFLICH Sandoval-Motta S.	Archives Of Medical Research	2017
37	Heart Rate and Systolic Blood Pressure Variability in the Time Domain in Patients with Recent and Long-Standing Diabetes Mellitus	ANA LEONOR RIVERA LOPEZ BRUNO ESTAÑOL VIDAL RUBEN YVAN MAARTEN FOSSION et al.	PLOS ONE	2016
38	Loss of Breathing Modulation of Heart Rate Variability in Patients with Recent and Long Standing Diabetes Mellitus Type II	BRUNO ESTAÑOL VIDAL RUBEN YVAN MAARTEN FOSSION JUAN CLAUDIO TOLEDO ROY et al.	PLOS ONE	2016
39	On the robustness of the r-process in neutron-star mergers against variations of nuclear masses	JOEL DE JESUS MENDOZA TEMIS ALEJANDRO FRANK HOEFLICH Wu, M. R. et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2016
40	Early Warning Studies in an Atrial Model to Prevent Fibrillation.	DAVID GARCIA GUDIÑO JOEL DE JESUS MENDOZA TEMIS JUAN CLAUDIO TOLEDO ROY et al.	AIP Conference Proceedings	2016
41	From supine to standing: invivo segregation of myogenic and baroreceptor vasoconstriction in humans	BRUNO ESTAÑOL VIDAL ANA LEONOR RIVERA LOPEZ RUBEN YVAN MAARTEN FOSSION et al.	Physiological Reports	2016
42	The chandra planetary nebula survey (chanplaNS). III. X-ray emission from the central stars of planetary nebulae	ALEJANDRO FRANK HOEFLICH JOSE ALBERTO LOPEZ GARCIA WOLFGANG STEFFEN et al.	ASTROPHYSICAL JOURNAL LETTERS	2015
43	Behavior of early warnings near the critical temperature in the two-dimensional Ising model	IRVING OMAR MORALES AGISS Carlos Calderon Angeles Juan C. Toledo et al.	PLOS ONE	2015

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44	Analysis of the quantum bouncer using polymer quantization	ALEJANDRO FRANK HOEFLICH LUIS FERNANDO URRUTIA RIOS JOSE ALBERTO MARTIN RUIZ	PHYSICAL REVIEW D	2015
45	Shapes of Pb 192,190 ground states from ß -decay studies using the total-absorption technique	ALEJANDRO FRANK HOEFLICH Estevez Aguado, M. E. Algora, A. et al.	PHYSICAL REVIEW C	2015
46	Quantum interference vs. quantum chaos in the nuclear shell model	GERARDO DANIEL FERNANDEZ SANCHEZ MATHIEU CHRISTIAN ANNE HAUTEFEUILLE IRVING OMAR MORALES AGISS et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2015
47	An SU(2)?SU(2) Jaynes-Cummings model with a maximum energy level	ALEJANDRO FRANK HOEFLICH LUIS FERNANDO URRUTIA RIOS JOSE ALBERTO MARTIN RUIZ	PHYSICA SCRIPTA	2014
48	Manifestation of scale invariance in the spectral fluctuations of random matrices	E. Landa IRVING OMAR MORALES AGISS ALEJANDRO FRANK HOEFLICH et al.	PHYSICAL REVIEW E	2013
49	Criticality, adaptability and early-warning signals in time series in a discrete quasispecies model	RUBEN YVAN MAARTEN FOSSION OSBALDO RESENDIS ANTONIO ALEJANDRO FRANK HOEFLICH et al.	Frontiers In Biology	2013
50	Self similitude in the power spectra of nuclear energy levels	VICTOR MANUEL VELAZQUEZ AGUILAR RUBEN YVAN MAARTEN FOSSION JUAN CARLOS LOPEZ VIEYRA et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2013
51	Excited state properties of Hf-176,Hf-177 nuclei	M. J. Ermamatov ALEJANDRO FRANK HOEFLICH	AIP Conference Proceedings	2012
52	Scale invariance, self similarity and critical behavior in classical and quantum systems	IRVING OMAR MORALES AGISS RUBEN YVAN MAARTEN FOSSION ALEJANDRO FRANK HOEFLICH et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2012
53	On prolate shape predominance in nuclear deformation	PAVEL STRANSKY ALEJANDRO FRANK HOEFLICH ROELOF BIJKER	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2011
54	Cellular automaton supercolliders	Genaro J. Martinez Andrew Adamatzky CHRISTOPHER RHODES STEPHENS et al.	INTERNATIONAL JOURNAL OF MODERN PHYSICS C	2011
55	Improving nuclear mass predictions through the Garvey-Kelson relations	ALEJANDRO FRANK HOEFLICH Morales, Irving O.	PHYSICAL REVIEW C	2011
56	Improved unfolding by detrending of statistical fluctuations in quantum spectra	E. Landa PAVEL STRANSKY ALEJANDRO FRANK HOEFLICH et al.	PHYSICAL REVIEW E	2011

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57	Criticality and long-range correlations in time series in classical and quantum systems	E. Landa IRVING OMAR MORALES AGISS RUBEN YVAN MAARTEN FOSSION et al.	PHYSICAL REVIEW E	2011
58	Image reconstruction techniques applied to nuclear mass models	IRVING OMAR MORALES AGISS VICTOR MANUEL VELAZQUEZ AGUILAR J. Mendoza Temis et al.	PHYSICAL REVIEW C	2010
59	AIP Conference Proceedings: Prologue	JUAN CARLOS D'OLIVO SAEZ ALEJANDRO FRANK HOEFLICH López-Fernández R. et al.	AIP Conference Proceedings	2010
60	Chaotic dynamics in collective models of nuclei	PAVEL STRANSKY ALEJANDRO FRANK HOEFLICH RUBEN YVAN MAARTEN FOSSION et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2010
61	Scale invariance as a symmetry in physical and biological systems: Listening to photons, bubbles and heartbeats	RUBEN YVAN MAARTEN FOSSION PAVEL STRANSKY VICTOR MANUEL VELAZQUEZ AGUILAR et al.	AIP Conference Proceedings	2010
62	Masses and orbital constraints for the OGLE-2006-BLG-109LB,C Jupiter/Saturn analog planetary system	ALEJANDRO FRANK HOEFLICH Bennett D.P. Rhie S.H. et al.	ASTROPHYSICAL JOURNAL	2010
63	Symmetries in atomic nuclei: From isospin to supersymmetry	ALEJANDRO FRANK HOEFLICH Van Isacker P. Jolie J.	SPRINGER TR MOD PHYS	2009
64	New supersymmetric quartet of nuclei: 192,193Os- 193,194Ir	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH Barea J. et al.	AIP Conference Proceedings	2009
65	Robust calculation of nuclear masses by means of image reconstruction	IRVING OMAR MORALES AGISS JORGE GUSTAVO HIRSCH GANIEVICH VICTOR MANUEL VELAZQUEZ AGUILAR et al.	AIP Conference Proceedings	2009
66	The KamLAND full-volume calibration system	ALEJANDRO FRANK HOEFLICH Berger B.E. Busenitz J. et al.	JOURNAL OF INSTRUMENTATION	2009
67	New supersymmetric quartet of nuclei in the A similar to 190 mass region	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH Barea, J. et al.	PHYSICAL REVIEW C	2009
68	Eigenvalue correlations and the distribution of ground state angular momenta for random many-body quantum systems	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH Barea, J.	PHYSICAL REVIEW C	2009
69	How good are the Garvey-Kelson predictions of nuclear masses?	IRVING OMAR MORALES AGISS JUAN CARLOS LOPEZ VIEYRA JORGE GUSTAVO HIRSCH GANIEVICH et al.	NUCLEAR PHYSICS A	2009
70	New developments in nuclear supersymmetry	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH Barea, J.	REVISTA MEXICANA DE FISICA	2009

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71	Fractal scale invariance in chaotic time series: classical and quantum examples	E. Landa RUBEN YVAN MAARTEN FOSSION IRVING OMAR MORALES AGISS et al.	REVISTA MEXICANA DE FISICA	2009
72	Image reconstruction of nuclear masses	IRVING OMAR MORALES AGISS J. Mendoza Temis ALEJANDRO FRANK HOEFLICH et al.	REVISTA MEXICANA DE FISICA	2009
73	THE ART OF PREDICTING NUCLEAR MASSES	JORGE GUSTAVO HIRSCH GANIEVICH IRVING OMAR MORALES AGISS Joel Mendoza Temis et al.	INTERNATIONAL JOURNAL OF MODERN PHYSICS E	2008
74	Nuclear masses and the number of valence nucleons	J. Mendoza Temis ALEJANDRO FRANK HOEFLICH JORGE GUSTAVO HIRSCH GANIEVICH et al.	NUCLEAR PHYSICS A	2008
75	Garvey-Kelson relations and the new nuclear mass tables	J. Barea ALEJANDRO FRANK HOEFLICH JORGE GUSTAVO HIRSCH GANIEVICH et al.	PHYSICAL REVIEW C	2008
76	Transfer and neutron capture reactions to (194)Ir as a test of U(nu)(6/12)circle times U(pi)(6/4) supersymmetry	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH Balodis, M. et al.	PHYSICAL REVIEW C	2008
77	Shape coexistence and phase transitions in the platinum isotopes	IRVING OMAR MORALES AGISS ALEJANDRO FRANK HOEFLICH Vargas, Carlos E. et al.	PHYSICAL REVIEW C	2008
78	Testing the predictive power of nuclear mass models	J. Mendoza Temis ALEJANDRO FRANK HOEFLICH JORGE GUSTAVO HIRSCH GANIEVICH et al.	NUCLEAR PHYSICS A	2008
79	Shape coexistence in the neutron-deficient Pt isotopes in the configuration-mixed IBM	IRVING OMAR MORALES AGISS ALEJANDRO FRANK HOEFLICH Vargas C.E. et al.	AIP Conference Proceedings	2008
80	Large searching for higher dimensional gravity with neutron experiments	ALEJANDRO FRANK HOEFLICH	AIP Conference Proceedings	2007
81	Nuclear mass forecasting: Can observed pattern determine mass values?	ALEJANDRO FRANK HOEFLICH JUAN CARLOS LOPEZ VIEYRA JORGE GUSTAVO HIRSCH GANIEVICH et al.	AIP Conference Proceedings	2007
82	An upper limit to ground state energy fluctuations in nuclear masses	JORGE GUSTAVO HIRSCH GANIEVICH VICTOR MANUEL VELAZQUEZ AGUILAR ALEJANDRO FRANK HOEFLICH et al.	AIP Conference Proceedings	2007
83	Calculation of nuclear masses using image reconstruction techniques	ALEJANDRO FRANK HOEFLICH JORGE GUSTAVO HIRSCH GANIEVICH VICTOR MANUEL VELAZQUEZ AGUILAR et al.	AIP Conference Proceedings	2007

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84	Masses of atomic nuclei far from stability	ALEJANDRO FRANK HOEFLICH JORGE GUSTAVO HIRSCH GANIEVICH VICTOR MANUEL VELAZQUEZ AGUILAR et al.	EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS	2007
85	Nuclear mass prediction as an image reconstruction problem: Can observed pattern determine mass values?	ALEJANDRO FRANK HOEFLICH JORGE GUSTAVO HIRSCH GANIEVICH VICTOR MANUEL VELAZQUEZ AGUILAR et al.	REVISTA MEXICANA DE FISICA	2006
86	An upper limit of ground-state energy fluctuations in nuclear masses	JORGE GUSTAVO HIRSCH GANIEVICH VICTOR MANUEL VELAZQUEZ AGUILAR ALEJANDRO FRANK HOEFLICH et al.	PHYS SCRIPTA	2006
87	Predicting nuclear masses by image reconstruction	ALEJANDRO FRANK HOEFLICH JUAN CARLOS LOPEZ VIEYRA JORGE GUSTAVO HIRSCH GANIEVICH et al.	INTERNATIONAL JOURNAL OF MODERN PHYSICS E	2006
88	Phase transitions in configuration mixed models	ALEJANDRO FRANK HOEFLICH Isacker P.V. Iachello F.	PHYSICAL REVIEW C	2006
89	Semiclassical description of autocorrelations in nuclear masses	JORGE GUSTAVO HIRSCH GANIEVICH ALEJANDRO FRANK HOEFLICH García-García A.M.	PHYSICAL REVIEW C	2006
90	Nuclear forecasting as pattern recognition: Can we predict nuclear masses?	ALEJANDRO FRANK HOEFLICH JORGE GUSTAVO HIRSCH GANIEVICH VICTOR MANUEL VELAZQUEZ AGUILAR et al.	AIP Conference Proceedings	2006
91	Deuteron transfer in N = Z nuclei	ALEJANDRO FRANK HOEFLICH Van Isacker P. Warner D.D.	PHYSICAL REVIEW LETTERS	2005
92	Algebraic approach to thermodynamic properties of diatomic molecules	ALEJANDRO FRANK HOEFLICH Angelova M.	PHYSICS OF ATOMIC NUCLEI	2005
93	Ground state energy fluctuations in the nuclear shell model	VICTOR MANUEL VELAZQUEZ AGUILAR JORGE GUSTAVO HIRSCH GANIEVICH ALEJANDRO FRANK HOEFLICH et al.	PHYSICS LETTERS B	2005
94	Nuclear masses set bounds on quantum chaos	ALEJANDRO FRANK HOEFLICH JORGE GUSTAVO HIRSCH GANIEVICH Barea J. et al.	PHYSICAL REVIEW LETTERS	2005
95	Two-nucleon transfer reactions uphold supersymmetry in atomic nuclei	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH Barea J.	PHYSICAL REVIEW LETTERS	2005
96	Bounds on the presence of quantum chaos in nuclear masses	JORGE GUSTAVO HIRSCH GANIEVICH ALEJANDRO FRANK HOEFLICH VICTOR MANUEL VELAZQUEZ AGUILAR et al.	EUROPEAN PHYSICAL JOURNAL A	2005
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98	Residual regularities in liquid drop mass calculations	JORGE GUSTAVO HIRSCH GANIEVICH ALEJANDRO FRANK HOEFLICH VICTOR MANUEL VELAZQUEZ AGUILAR	PHYSICAL REVIEW C	2004
99	Quantum chaos and nuclear mass systematics	JORGE GUSTAVO HIRSCH GANIEVICH VICTOR MANUEL VELAZQUEZ AGUILAR ALEJANDRO FRANK HOEFLICH	PHYSICS LETTERS B	2004
100	Revisiting the quantum group symmetry of diatomic molecules	ALEJANDRO FRANK HOEFLICH Angelova M.N. Dobrev V.K.	EUROPEAN PHYSICAL JOURNAL D	2004
101	A new look at nuclear supersymmetry through transfer experiments	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH Barea J.	J PHYS A-MATH GEN	2004
102	Probing additional dimensions in the universe with neutron experiments	ALEJANDRO FRANK HOEFLICH Van Isacker P. Gómez-Camacho J.	PHYSICS LETTERS B	2004
103	U(5)-O(6) transition in the interacting boson model and the E(5) critical point symmetry	ALEJANDRO FRANK HOEFLICH Arias J.M. Alonso C.E. et al.	PHYSICAL REVIEW C	2003
104	A realization of the dynamical group for the square-well potential and its coherent states	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH	J PHYS A-MATH GEN	2003
105	A study of randomness, correlations, and collectivity in the nuclear shell model	VICTOR MANUEL VELAZQUEZ AGUILAR JORGE GUSTAVO HIRSCH GANIEVICH ALEJANDRO FRANK HOEFLICH et al.	PHYSICAL REVIEW C	2003
106	Phase transitions and critical points in the rare-earth region	ALEJANDRO FRANK HOEFLICH García-Ramos J.E. Arias J.M. et al.	PHYSICAL REVIEW C	2003
107	Spectroscopic description of H2O in the su(2) vibron model approximation	RENATO LEMUS CASILLAS JUAN CARLOS LOPEZ VIEYRA ALEJANDRO FRANK HOEFLICH et al.	JOURNAL OF MOLECULAR SPECTROSCOPY	2002
108	Simple evaluation of Franck-Condon factors and non-Condon effects in the Morse potential	JUAN CARLOS LOPEZ VIEYRA ANA LEONOR RIVERA LOPEZ ALEJANDRO FRANK HOEFLICH et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2002
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110	Revista Mexicana de Fisica: Preface	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH JORGE GUSTAVO HIRSCH GANIEVICH et al.	REVISTA MEXICANA DE FISICA	2002
111	Geometry of random interactions	ALEJANDRO FRANK HOEFLICH Huu-Tai P.C. Smirnova N.A. et al.	PHYSICAL REVIEW C	2002
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113	Coherent states for anharmonic diatomic molecules	ALEJANDRO FRANK HOEFLICH Rcamier J. De Garca Len P. et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2002
114	Regular spectra in the vibron model with random interactions	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW C	2002
115	Search for E(5) symmetry in nuclei: The Ru isotopes	ALEJANDRO FRANK HOEFLICH Alonso C.E. Arias J.M.	PHYSICAL REVIEW C	2002
116	Randomness and emerging order in nuclear structure	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH	REVISTA MEXICANA DE FISICA	2001
117	Comparison between phase space structures in coupled Morse systems and in various su(2) approximations	CHRISTOF FRIEDRICH JUNG KOHL ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS et al.	Chaos	2001
118	Single-particle transfer and nuclear supersymmetry	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH Barea J. et al.	PHYSICAL REVIEW C	2001
119	Simple applications of q-bosons	ALEJANDRO FRANK HOEFLICH Angelova M. Dobrev V.K.	J PHYS A-MATH GEN	2001
120	Mean-field analysis of interacting boson models with random interactions	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW C	2001
121	Systematic polyad mixing in a local mode model	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH	CHEMICAL PHYSICS LETTERS	2001
122	Comment on ?Two-body random ensembles: From nuclear spectra to random polynomials?	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW LETTERS	2001
123	Entanglement and generation of superpositions of atomic coherent states	JOSE FRANCISCO RECAMIER ANGELINI OCTAVIO HECTOR CASTAÑOS GARZA ROCIO JAUREGUI RENAUD et al.	PHYSICAL REVIEW A	2000
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125	Vibrational Excitations of Methane in the Framework of a Local-Mode Anharmonic Model	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH	JOURNAL OF MOLECULAR SPECTROSCOPY	2000
126	Band Structure from Random Interactions	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW LETTERS	2000
127	Generation and evolution of collective atomic states	JOSE FRANCISCO RECAMIER ANGELINI OCTAVIO HECTOR CASTAÑOS GARZA ROCIO JAUREGUI RENAUD et al.	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2000

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129	An extended SU(2) model for coupled Morse oscillators	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH CHRISTOF FRIEDRICH JUNG KOHL et al.	CHEMICAL PHYSICS	2000
130	IBM: Discrete Symmetry Viewpoint	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH Shirokov A.M. et al.	PHYSICS OF ATOMIC NUCLEI	2000
131	Wigner function of Morse potential eigenstates	ALEJANDRO FRANK HOEFLICH ANA LEONOR RIVERA LOPEZ KURT BERNARDO WOLF BOGNER	PHYSICAL REVIEW A	2000
132	Entanglement and generation of superpositions of atomic coherent states	JOSE FRANCISCO RECAMIER ANGELINI OCTAVIO HECTOR CASTAÑOS GARZA ROCIO JAUREGUI RENAUD et al.	PHYSICAL REVIEW A	2000
133	General anharmonic local mode approach to molecular vibrations	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	1999
134	Dominance of JP = 0+ ground states in even-even nuclei from random two-body interactions	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH Pittel S.	PHYSICAL REVIEW C	1999
135	Algebraic derivation of Franck-Condon overlap integrals for diatomic molecules	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS Pérez-Bernal F.	JOURNAL OF MATHEMATICAL CHEMISTRY	1999
136	From nuclei to molecules: A symmetry adapted algebraic model of vibrational excitations	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	1999
137	SU(2) approximation to the coupling of Morse oscillators	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS CHRISTOF FRIEDRICH JUNG KOHL et al.	CHEMICAL PHYSICS LETTERS	1999
138	Finite Kerr medium: Macroscopic quantum superposition states and Wigner functions on the sphere	ALEJANDRO FRANK HOEFLICH KURT BERNARDO WOLF BOGNER Chumakov S.M.	PHYSICAL REVIEW A	1999
139	On the Elimination of Spurious Modes in Algebraic Models of Molecular Vibrations	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS ROELOF BIJKER et al.	JOURNAL OF MOLECULAR SPECTROSCOPY	1999
140	IBM: Parameter symmetry, hidden symmetries and transformations of boson operators	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH Shirokov A.M. et al.	REVISTA MEXICANA DE FISICA	1999

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141	Accidental degeneracy and hidden symmetry: Rectangular wells with commensurate sides	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH FRANCOIS ALAIN LEYVRAZ WALTZ et al.	AMERICAN JOURNAL OF PHYSICS	1998
142	A symmetry adapted approach to vibrational excitations in atomic clusters	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS ROELOF BIJKER et al.	CZECH J PHYS	1998
143	Symmetry-Adapted Algebraic Description of Stretching and Bending Vibrations of Ozone	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS ROELOF BIJKER et al.	JOURNAL OF MOLECULAR SPECTROSCOPY	1997
144	Accidental degeneracy in a simple quantum system: A new symmetry group for a particle in an impenetrable square-well potential	FRANCOIS ALAIN LEYVRAZ WALTZ ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS et al.	AMERICAN JOURNAL OF PHYSICS	1997
145	Transition from the seniority to the anharmonic vibrator regime in nuclei	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH Pittel S.	PHYSICAL REVIEW C	1997
146	Analytically solvable mean-field potential for stable and exotic nuclei	ALEJANDRO FRANK HOEFLICH Stoitsov M.V. Dimitrova S.S. et al.	PHYSICS LETTERS B	1997
147	A symmetry adapted approach to molecular spectroscopy: The anharmonic oscillator symmetry model	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS ROELOF BIJKER et al.	REVISTA MEXICANA DE FISICA	1996
148	On the relation between algebraic and configuration space calculations of molecular vibrations	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS et al.	CHEMICAL PHYSICS LETTERS	1996
149	A general algebraic model for molecular vibrational spectroscopy	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS ROELOF BIJKER et al.	ANNALS OF PHYSICS	1996
150	Algebraic-eikonal approach to medium energy proton scattering from odd-mass nuclei	ROELOF BIJKER ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW C	1995
151	Description of octupole-deformed nuclei within the interacting boson and interacting boson-fermion models	ALEJANDRO FRANK HOEFLICH Alonso C.E. Arias J.M. et al.	NUCLEAR PHYSICS A	1995
152	Description of some chains of isotopes and isotones in the interacting-boson approximation	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH Gómez A.	NUCLEAR PHYSICS A	1995
153	Algebraic approach to vibrational spectra of tetrahedral molecules: Application to methane	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH	JOURNAL OF CHEMICAL PHYSICS	1994
154	Consistent baryon mapping of quark systems	ALEJANDRO FRANK HOEFLICH Pittel S. Arias J.M. et al.	PHYSICAL REVIEW C	1994
155	A simple difference realization of the Heisenberg q-algebra	NATIG ATAKISHIYEV ALEJANDRO FRANK HOEFLICH KURT BERNARDO WOLF BOGNER	JOURNAL OF MATHEMATICAL PHYSICS	1994

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156	Algebraic description of a linear chain of coupled anharmonic oscillators	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW B	1994
157	Algebraic description of one-dimensional atom-molecule collisions	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS Santiago R.D.	CHEMICAL PHYSICS LETTERS	1994
158	Constrained calculations in the electron-vibron model and the Born-Oppenheimer approximation	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW A	1993
159	First observation of scissors mode states in an odd-mass nucleus	ALEJANDRO FRANK HOEFLICH Bauske I. Arias J.M. et al.	PHYSICAL REVIEW LETTERS	1993
160	Comment on Model of n coupled anharmonic oscillators and applications to octahedral molecules	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS	PHYSICAL REVIEW LETTERS	1992
161	Potential energy curves in the electron-vibron model	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH Leviatan A.	CHEMICAL PHYSICS LETTERS	1992
162	An algebraic approach to the study of three-dimensional atom-diatom collisions	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS JOSE FRANCISCO RECAMIER ANGELINI et al.	CHEMICAL PHYSICS LETTERS	1992
163	An algebraic model for molecular electronic excitations in diatomic molecules	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH	ANNALS OF PHYSICS	1991
164	Approximate dynamical symmetry in the first series of hydride diatomic molecules	RENATO LEMUS CASILLAS ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW LETTERS	1991
165	Soluble extensions of the Dirac oscillator with exact and broken supersymmetry	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH LUIS FERNANDO URRUTIA RIOS et al.	PHYSICAL REVIEW D	1991
166	Search for scissors states in odd-mass nuclei	ALEJANDRO FRANK HOEFLICH Arias J.M. Van Isacker P.	NUCLEAR PHYSICS A	1991
167	Noether's theorem and dynamical groups in quantum mechanics	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH RAMON LOPEZ PEÑA	J PHYS A-MATH GEN	1990
168	Hidden symmetry and potential group of the Maxwell fish-eye	ALEJANDRO FRANK HOEFLICH FRANCOIS ALAIN LEYVRAZ WALTZ KURT BERNARDO WOLF BOGNER	JOURNAL OF MATHEMATICAL PHYSICS	1990
169	Algebraic approach to molecular electronic spectra. I. Energy levels	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS Iachello F.	JOURNAL OF CHEMICAL PHYSICS	1989
170	Scissors states in deformed odd-mass nuclei	ALEJANDRO FRANK HOEFLICH Van Isacker P.	PHYSICS LETTERS B	1989
171	Supersymmetry classification of nuclear levels in odd-mass platinum isotopes	ALEJANDRO FRANK HOEFLICH Mauthofer A. Stelzer K. et al.	PHYSICAL REVIEW C	1989

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172	Shape transition and dynamical symmetries in the interacting boson model	ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW C	1989
173	Comment on "empirical evidence for an SO(7) fermion dynamical symmetry in nuclei"	ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW LETTERS	1988
174	Interacting boson-fermion limit of the SO(8) model of nuclei	ALEJANDRO FRANK HOEFLICH PETER OTTO HESS BECHSTEDT Castaos O. et al.	PHYSICAL REVIEW C	1987
175	Supersymmetry in transitional nuclei and its application to the Ru and Rh isotopes	ALEJANDRO FRANK HOEFLICH Van Isacker P. Warner D.D.	PHYSICS LETTERS B	1987
176	A U(6 20) supersymmetry for the A = 130 mass region	ALEJANDRO FRANK HOEFLICH Jolie J. Heyde K. et al.	NUCLEAR PHYSICS A	1987
177	Boson fermion dynamical SU(3) symmetry for asymmetric deformation in odd mass nuclei	ALEJANDRO FRANK HOEFLICH Engel J. Pittel S.	PHYSICAL REVIEW C	1987
178	The pseudo-L scheme in strongly deformed Bose-Fermi systems and its relation to the Nilsson model	ALEJANDRO FRANK HOEFLICH Pittel S. Warner D.D. et al.	PHYSICS LETTERS B	1986
179	Contractions and expansions of Lie groups and the algebraic approach to scattering	ALEJANDRO FRANK HOEFLICH Alhassid Y. Iachello F.	PHYSICAL REVIEW A	1986
180	Microscopic study of configuration mixing in the interacting boson model	ALEJANDRO FRANK HOEFLICH Van Isacker P. P¸ittel S. et al.	NUCLEAR PHYSICS A	1986
181	Average resonance capture studies of 198Au: A test of symmetry schemes for odd-odd nuclei	ALEJANDRO FRANK HOEFLICH Warner D.D. Casten R.F.	PHYSICS LETTERS B	1986
182	Algebraic methods for molecular electronic spectra	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS Iachello F.	CHEMICAL PHYSICS LETTERS	1986
183	Mean field description of systems of bosons and fermions	ALEJANDRO FRANK HOEFLICH Pittel S.	NUCLEAR PHYSICS A	1986
184	New supersymmetry classification of nuclear levels in Pt195	ALEJANDRO FRANK HOEFLICH Mauthofer A. Steler K. et al.	PHYSICAL REVIEW C	1986
185	F-spin multiplets and alpha transfer systematics in the interacting boson model	ALEJANDRO FRANK HOEFLICH	PHYSICAL REVIEW C	1986
186	Comment on Quantization of asymmetric shapes in nuclei	ALEJANDRO FRANK HOEFLICH PETER OTTO HESS BECHSTEDT Castaos O. et al.	PHYSICAL REVIEW LETTERS	1986

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188	The O(4) wave functions in the vibron model for diatomic molecules	ALEJANDRO FRANK HOEFLICH RENATO LEMUS CASILLAS	JOURNAL OF CHEMICAL PHYSICS	1985
189	Lie algebras for systems with mixed spectra. I. the scattering Pöschl-Teller potential	ALEJANDRO FRANK HOEFLICH KURT BERNARDO WOLF BOGNER	JOURNAL OF MATHEMATICAL PHYSICS	1985
190	Erratum: F-Spin multiplets and supersymmetry in nuclei (Physical Review Letters (1985) 55, 24 (2739))	ALEJANDRO FRANK HOEFLICH Jolie J. Isacker P.V. et al.	PHYSICAL REVIEW LETTERS	1985
191	F-spin multiplets and supersymmetry in nuclei	ALEJANDRO FRANK HOEFLICH Jolie J. Van Isacker P. et al.	PHYSICAL REVIEW LETTERS	1985
192	Extension of supersymmetry in nuclear structure	ALEJANDRO FRANK HOEFLICH Isacker P.V. Jolie J. et al.	PHYSICAL REVIEW LETTERS	1985
193	F-spin multiplets of nuclei and their relation to U(12)	ALEJANDRO FRANK HOEFLICH Van Isacker P.	PHYSICAL REVIEW C	1985
194	Spectroscopy of the platinum isotopes and the dynamical supersymmetry U(6/12)	ALEJANDRO FRANK HOEFLICH Sun H.-Z. Feng D.H. et al.	PHYSICAL REVIEW C	1985
195	Phase ambiguities in the O(6) limit of the interacting boson model	ALEJANDRO FRANK HOEFLICH Van Isacker P. Dukelsky J.	PHYSICAL REVIEW C	1985
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199	Dynamical supersymmetry and collective nuclear structure physics	ALEJANDRO FRANK HOEFLICH Feng D.H. Sun H.-Z. et al.	NUCLEAR PHYSICS A	1984
200	Effective triaxial deformations in the interacting-boson model	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH Van Isacker P.	PHYSICAL REVIEW LETTERS	1984
201	The U(6) ? SU(3) hidden symmetry in collective excitations of many-body systems	ALEJANDRO FRANK HOEFLICH Castañios O.	JOURNAL OF MATHEMATICAL PHYSICS	1984
202	U(6 12) supersymmetries in nuclei	ALEJANDRO FRANK HOEFLICH Hong Zhou S. Van Isacker P.	PHYSICS LETTERS B	1983
203	Comment on "nuclear structure of Pt195"	ALEJANDRO FRANK HOEFLICH Zhou S.H. Van Isacker P.	PHYSICAL REVIEW C	1983

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205	Study of the effective hamiltonian interacting boson approximation	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH Federman P. et al.	NUCLEAR PHYSICS A	1982
206	Microscopic derivation of nuclear collective variables	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH PETER OTTO HESS BECHSTEDT et al.	PHYSICAL REVIEW C	1982
207	A Simple Model for Nuclear Molecules	ALEJANDRO FRANK HOEFLICH Castanos O.	Journal Of Physics G: Nuclear Physics	1981
208	Complete set of states for microscopic nuclear collective models	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH PETER OTTO HESS BECHSTEDT et al.	JOURNAL OF MATHEMATICAL PHYSICS	1981
209	Confrontations between the interacting boson approximation and the Bohr-Mottelson model	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH PETER OTTO HESS BECHSTEDT et al.	PHYSICAL REVIEW C	1981
210	The shape transition in the Sm isotopes and the structure of the IBA hamiltonian	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH Federman P.	PHYSICS LETTERS B	1979
211	Group theory of the interacting Boson model of the nucleus	ALEJANDRO FRANK HOEFLICH MARCOS MOSHINSKY BORODINASKY Castañios O. et al.	JOURNAL OF MATHEMATICAL PHYSICS	1978
212	The gradient formula for the O(5)?O(3) chain of groups	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFLICH MARCOS MOSHINSKY BORODINASKY	JOURNAL OF MATHEMATICAL PHYSICS	1977

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

#	Título	Autores	Alcance	Año	ISBN
1	Interpretación Del Tejido Social Rasgado	ALEJANDRO FRANK HOEFLICH	Libro Completo	2021	9786077244141
2	El Maravilloso Mundo De Los Virus	SUSANA LOPEZ CHARRETON ALEJANDRO FRANK HOEFLICH	Libro Completo	2021	9786077244158
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6	Pretérito pluscuamperfecto	ALEJANDRO FRANK HOEFLICH	Libro Completo	2019	9786077243236
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9	Looking for biomarkers in physiological time series	ANA LEONOR RIVERA LOPEZ BRUNO ESTAÑOL VIDAL JUAN CLAUDIO TOLEDO ROY et al.	Capítulo de un Libro	2018	9783319739755

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10	Ciencia y educación en el siglo XXI	JULIANA GONZALEZ VALENZUELA FERNANDO GAMBOA RODRIGUEZ ROSAURA RUIZ GUTIERREZ et al.	Libro Completo	2015	9786070272738
11	COLLECTIVE DESCRIPTION OF THE PROLATE SHAPE PREDOMINANCE IN NUCLEAR DEFORMATION	PAVEL STRANSKY ROELOF BIJKER ALEJANDRO FRANK HOEFLICH et al.	Proceedings Paper	2013	9789814383639
12	La epidemia de influenza A(H1N1): desde lo micro hasta lo macro - un enfoque transdisciplinario y de sistemas complejos.	CHRISTOPHER RHODES STEPHENS ALEJANDRO FRANK HOEFLICH	Capítulo de un Libro	2010	9786070215032

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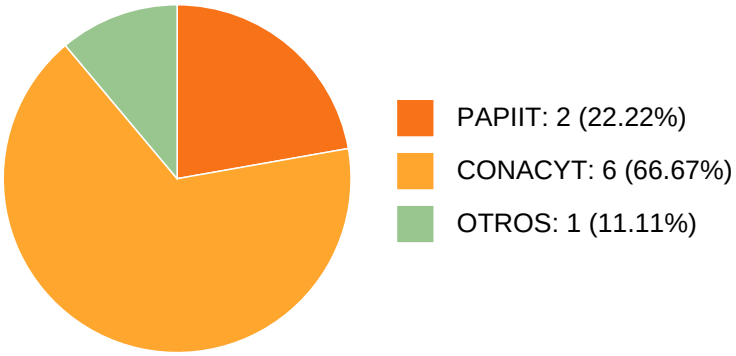
PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Salud y enfermedad: un enfoque desde las ciencias de la complejidad en la búsqueda de alarmas tempranas	ALEJANDRO FRANK HOEFLICH	Recursos PAPIIT	01-01-2016	31-12-2018
2	Generar una propuesta pedagógica, a través de la implementación de una fase de prueba de dos metodologías en la Entidades Federativas de Chiapas, Michoacán, Morelos y Ciudad de México, que busquen el desarrollo de habilidades científicas en jóvenes con aptitudes sobresalientes que cursan la Educación Media Superior.	ALEJANDRO FRANK HOEFLICH	Sector Público (Federal, Estatal o Municipal)	31-10-2016	27-02-2018
3	Biomarcadores de salud y enfermedad a través del análisis de series de tiempo fisiológicos proyecto num 2277	ALEJANDRO FRANK HOEFLICH	Recursos CONACYT	01-09-2017	17-09-2019
4	Laboratorio Nacional de Ciencias de la Complejidad	ALEJANDRO FRANK HOEFLICH	Recursos CONACYT	01-04-2018	30-11-2018

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5	Salud y enfermedad: tecnologías de la información y biomarcadores no-invasivos de alertas tempranas.	ALEJANDRO FRANK HOEFLICH CARLOS GERSHENSON GARCIA	Recursos PAPIIT	01-01-2020	31-12-2022
6	Desarrollo de proyectos de investigación de estudiantes de nivel básico y media superior mediante formación docente para generar clubes de ciencia	ALEJANDRO FRANK HOEFLICH	Recursos CONACYT	19-06-2020	30-11-2020
7	Laboratorio nacional de cienas de la complejidad.	ALEJANDRO FRANK HOEFLICH	Recursos CONACYT	20-10-2020	30-11-2020
8	La ciencia detrás de nuestro regreso a clases: cuentos para reflexionar y fomentar las Vocaciones Científicas.	ALEJANDRO FRANK HOEFLICH	Recursos CONACYT	08-09-2021	30-11-2021
9	Apoyo al mantenimiento del Laboratorio Nacional de Ciencias de la Complejidad (LNCC).	ALEJANDRO FRANK HOEFLICH	Recursos CONACYT	10-09-2021	15-12-2021

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PARTICIPACIÓN EN TESIS

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

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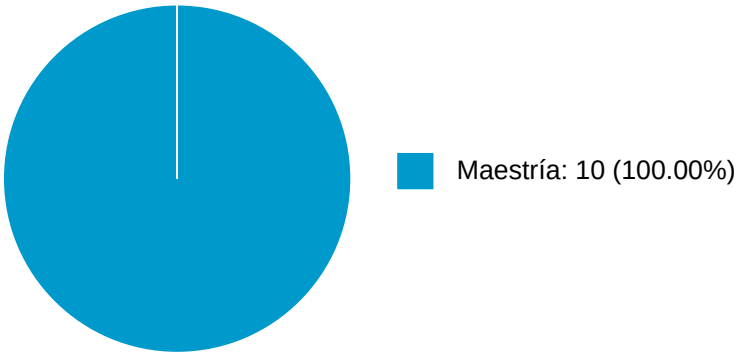
DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	MODELOS MATEMATICOS EN BIOLOGIA	Instituto de Ciencias Nucleares	3	2015-1
2	Maestría	TEMAS SELECTOS	Instituto de Ciencias Nucleares	3	2013-2
3	Maestría	TEMAS SELECTOS	Instituto de Ciencias Nucleares	1	2012-2
4	Maestría	TEMAS SELECTOS	Instituto de Ciencias Nucleares	2	2012-2
5	Maestría	TEMAS SELECTOS	Instituto de Ciencias Nucleares	1	2011-2
6	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Ciencias Nucleares	1	2011-2
7	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Ciencias Nucleares	1	2011-1
8	Maestría	TEMA SELECTO	Instituto de Ciencias Nucleares	1	2010-2
9	Maestría	TEMAS SELECTOS	Instituto de Ciencias Nucleares	1	2010-2
10	Maestría	TEMA SELECTO	Instituto de Ciencias Nucleares	1	2009-1

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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