



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



RUBEN YVAN MAARTEN FOSSION

Datos Generales

Nombre: RUBEN YVAN MAARTEN FOSSION

Máximo nivel de estudios: POSDOCTORADO

Antigüedad académica en la UNAM: 10 años

Nombramientos

Vigente: INVESTIGADOR TITULAR B TC Definitivo
Instituto de Ciencias Nucleares
Desde 01-09-2023

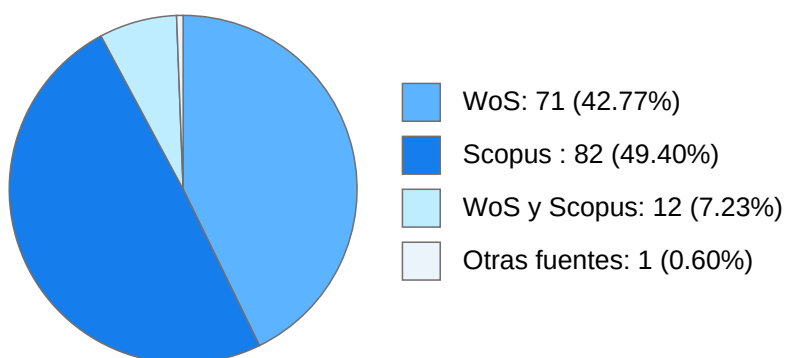
Estímulos, programas, premios y reconocimientos

SNI II 2019 - VIGENTE
SNI I 2017 - 2018
PRIDE C 2021 - 2024
EQUIVALENCIA PRIDE B 2016 - 2020

RUBEN YVAN MAARTEN FOSSION

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Sex hormones correlate with heart rate variability in healthy women and this correlation is conserved in women with well controlled type 2 diabetes mellitus	ADRIANA ROBLES CABRERA CLAUDIA LERMA GONZALEZ SILVIA RUIZ VELASCO ACOSTA et al.	PLOS ONE	2025
2	Temporal dynamics in laboratory medicine: Cosinor analysis and real-world data (RWD) approaches to population chronobiology	RUBEN YVAN MAARTEN FOSSION Marques-García F. Martínez-Bravo C. et al.	CLIN CHEM LAB MED	2025
3	Evidence for the parasympathetic and sympathetic effects of acupuncture through heart rate variability: Multisystem implications;	RUBEN YVAN MAARTEN FOSSION Quiroz-González S. López-Espinosa E. et al.	Revista Internacional de Acupuntura	2024
4	Achalasia alters physiological networks depending on sex	ANTONIO BARAJAS MARTINEZ ELIZABETH GUADALUPE IBARRA CORONADO RUBEN YVAN MAARTEN FOSSION et al.	SCIENTIFIC REPORTS	2024

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5	Ecological and Convergent Validity of Experimentally and Dynamically Assessed Capacity for Social Contingency Detection Using the Perceptual Crossing Experiment in Adolescence	RUBEN YVAN MAARTEN FOSSION Hermans K.S.F.M. Kirtley O.J. et al.	Assessment	2023
6	Frailty Syndrome as a Transition from Compensation to Decompensation: Application to the Biomechanical Regulation of Gait	LESLI AIDE ALVAREZ MILLAN ROSA MARIA QUISPE SICCHA ARGELIA PEREZ PACHECO et al.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	2023
7	Circadian cycles: A time-series approach	LORENA MARISOL GARCIA IGLESIAS ANA LEONOR RIVERA LOPEZ RUBEN YVAN MAARTEN FOSSION	REVISTA MEXICANA DE FISICA	2023
8	Application of Fourier analysis to an ellipsoidal particle on a granular magnetic bath	RUBEN YVAN MAARTEN FOSSION Donado F. Jaguey-Hernández Y. et al.	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	2023
9	Polymerised type I collagen modifies the physiological network of post-acute sequelae of COVID-19 depending on sex: a randomised clinical trial	RUBEN YVAN MAARTEN FOSSION ELIZABETH GUADALUPE IBARRA CORONADO ANA LEONOR RIVERA LOPEZ et al.	Clinical and Translational Medicine	2023
10	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
11	Differentiating acute from chronic insomnia with machine learning from actigraphy time series data	RUBEN YVAN MAARTEN FOSSION Rani S. Shelyag S. et al.	Frontiers In Network Physiology	2022
12	A non-parametric model: free analysis of actigraphic recordings of acute insomnia patients	RUBEN YVAN MAARTEN FOSSION ANA LEONOR RIVERA LOPEZ Arlex Marin-Garcia et al.	Royal Society Open Science	2022
13	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
14	High Incidence Rate of SARS-CoV-2 Infection in Health Care Workers at a Dedicated COVID-19 Hospital: Experiences of the Pandemic from a Large Mexican Hospital	JOSE DAMIAN CARRILLO RUIZ RENE MARQUEZ FRANCO EIRA VALERIA BARRON PALMA et al.	Healthcare	2022

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15	Capacity for social contingency detection continues to develop across adolescence	RUBEN YVAN MAARTEN FOSSION Hermans K.S.F.M. Kirtley O.J. et al.	SOCIAL DEVELOPMENT	2022
16	Chronotropic Response and Heart Rate Variability before and after a 160 m Walking Test in Young, Middle-Aged, Frail, and Non-Frail Older Adults	LESLI AIDE ALVAREZ MILLAN ROSA MARIA QUISPE SICCHA ARGELIA PEREZ PACHECO et al.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	2022
17	Physiological Network From Anthropometric and Blood Test Biomarkers	ANTONIO BARAJAS MARTINEZ ELIZABETH GUADALUPE IBARRA CORONADO IVETTE CRUZ BAUTISTA et al.	FRONTIERS IN PHYSIOLOGY	2021
18	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
19	Emergence of scale invariance in the dynamics of an ellipsoidal particle on a granular magnetic bath	RUBEN YVAN MAARTEN FOSSION Torres-Vargas G. Tapia-Ignacio C. et al.	PHYSICAL STATISTICAL MECHANICS AND ITS APPLICATIONS	2021
20	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
21	Cardio-respiratory variability of healthy young subjects	ANTONIO BARAJAS MARTINEZ ANGELICA GERALDINE TELLO SANTOYO ADRIANA ROBLES CABRERA et al.	AIP Conference Proceedings	2021
22	Parallels between homeostatic regulation and control theory	JUAN URIEL LEGARIA PEÑA FELIX SANCHEZ MORALES JORGE CHAVEZ CARLOS et al.	AIP Conference Proceedings	2021
23	Heart Rate Variability and Psychometric Analysis in Patients with Hyperactive Heart Fire Syndrome	RUBEN YVAN MAARTEN FOSSION Oliverio Medina Martinez Yolanda Garcia Piceno et al.	JOURNAL OF ACUPUNCTURE AND MERIDIAN STUDIES	2021
24	Dependence of Heart Rate Variability Indices on the Mean Heart Rate in Women with Well-Controlled Type 2 Diabetes	ADRIANA ROBLES CABRERA RUBEN YVAN MAARTEN FOSSION Torres-Arellano J.M. et al.	Journal of Clinical Medicine	2021

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25	Normal mode analysis of disordered random-matrix ensembles	RUBEN YVAN MAARTEN FOSSION Torres-Vargas G.	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	2020
26	Normal mode analysis of spectra of random networks	RUBEN YVAN MAARTEN FOSSION Torres-Vargas G. Méndez-Bermúdez J.A.	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	2020
27	The Impact of Education and Age on Metabolic Disorders	CHRISTOPHER RHODES STEPHENS ADRIANA ROBLES CABRERA RUBEN YVAN MAARTEN FOSSION et al.	Frontiers In Public Health	2020
28	Scale invariance in a nonvibrating magnetic granular system	RUBEN YVAN MAARTEN FOSSION G. Torres-Vargas F. Donado et al.	SCIENTIFIC REPORTS	2020
29	The Feeling Is Mutual: Clarity of Haptics-Mediated Social Perception Is Not Associated With the Recognition of the Other, Only With Recognition of Each Other	TOM FROESE Leenen I. RUBEN YVAN MAARTEN FOSSION et al.	FRONTIERS IN HUMAN NEUROSCIENCE	2020
30	Investigating real-time social interaction in pairs of adolescents with the Perceptual Crossing Experiment	RUBEN YVAN MAARTEN FOSSION TOM FROESE Hermans K.S.F.M. et al.	BEHAVIOR RESEARCH METHODS	2020
31	Nuclear energy level complexity: Fano factor signature of chaotic behavior of nearest-neighbor time-series analysis	EDNA MAGDALENA HERNANDEZ GONZALEZ RUBEN YVAN MAARTEN FOSSION ENRIQUE LOPEZ MORENO et al.	PHYSICAL REVIEW C	2020
32	Multi-scale coordination of distinctive movement patterns during embodied interaction between adults with high-functioning autism and neurotypicals	DOBROMIR GEORGIEV DOTOV RUBEN YVAN MAARTEN FOSSION TOM FROESE et al.	FRONTIERS IN PSYCHOLOGY	2019
33	Time-series Based Evaluation of Physiological Alterations in Age-associated Frailty During Walking at Self-selected Velocity	LESLI AIDE ALVAREZ MILLAN ARGELIA PEREZ PACHECO ROSA MARIA QUISPE SICCHA et al.	AIP Conference Proceedings	2019
34	On the Role of Continuous Physiological Monitoring and Time-Series Analysis in Medical Prognosis	RUBEN YVAN MAARTEN FOSSION LESLI AIDE ALVAREZ MILLAN JAIME ESAU MIRANDA VELAZCO et al.	AIP Conference Proceedings	2019
35	Thoughts on the Use of Standard Cut-off values for Physiological Health Indicators	ADRIANA ROBLES CABRERA RUBEN YVAN MAARTEN FOSSION ANA LEONOR RIVERA LOPEZ et al.	AIP Conference Proceedings	2019

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36	Cardiac Autonomic Neuropathy in Diabetic Patients	ADRIANA ROBLES CABRERA BRUNO ESTAÑOL VIDAL RUBEN YVAN MAARTEN FOSSION et al.	AIP Conference Proceedings	2019
37	Quantification of irregular circadian cycles using time-series methods	LORENA MARISOL GARCIA IGLESIAS ANA LEONOR RIVERA LOPEZ JUAN CLAUDIO TOLEDO ROY et al.	AIP Conference Proceedings	2019
38	Heart Rate Variability of Homeless Young Men	ANA LEONOR RIVERA LOPEZ ALI RUIZ CORONEL RUBEN YVAN MAARTEN FOSSION et al.	AIP Conference Proceedings	2019
39	Quantification of Movement Patterns During a Maze Navigation Task	TOM FROESE RUBEN YVAN MAARTEN FOSSION Sáenz A. et al.	AIP Conference Proceedings	2019
40	Changes in Heart Rate Variability in Patients with Spleen-Qi Deficiency Syndrome	RUBEN YVAN MAARTEN FOSSION Olivera-Toro A. Li L. et al.	JOURNAL OF ACUPUNCTURE AND MERIDIAN STUDIES	2019
41	Physiologic frailty in chronically homeless young adults determined by the handgrip strength	ALI RUIZ CORONEL RUBEN YVAN MAARTEN FOSSION García J.S.	Social Medicine	2019
42	Indicators of vulnerability associated with less healthy circadian rhythms in undergraduate medical interns	SILVIA ARACELY TAFOYA RAMOS RUBEN YVAN MAARTEN FOSSION AURORA LEONILA JAIMES MEDRANO et al.	CHRONOBIOLOGY INTERNATIONAL	2019
43	Crossover in nonstandard random-matrix spectral fluctuations without unfolding	JUAN CARLOS LOPEZ VIEYRA RUBEN YVAN MAARTEN FOSSION G. Torres-Vargas et al.	PHYSICAL REVIEW E	2018
44	A physicist's view of homeostasis: How time series of continuous monitoring reflect the function of physiological variables in regulatory mechanisms	RUBEN YVAN MAARTEN FOSSION ANA LEONOR RIVERA LOPEZ BRUNO ESTAÑOL VIDAL	PHYSIOLOGICAL MEASUREMENT	2018
45	A model of biocircuits to understand the effects and mechanisms of neurophysiological acupuncture	RUBEN YVAN MAARTEN FOSSION Quiroz González S. López Espinoza E. et al.	Revista Internacional de Acupuntura	2018
46	Multiscale adaptive analysis of circadian rhythms and intradaily variability: Application to actigraphy time series in acute insomnia subjects	RUBEN YVAN MAARTEN FOSSION ANA LEONOR RIVERA LOPEZ JUAN CLAUDIO TOLEDO ROY et al.	PLOS ONE	2017
47	Determination of scale invariance in random-matrix spectral fluctuations without unfolding	RUBEN YVAN MAARTEN FOSSION JUAN CARLOS LOPEZ VIEYRA Torres-Vargas, G. et al.	PHYSICAL REVIEW E	2017
48	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

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49	Role of target resonances in low-energy nucleon and a interactions with Weakly-Bound Nuclei	RUBEN YVAN MAARTEN FOSSION Amos K. Karataglidis S. et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2016
50	Importance of resonance widths in low-energy scattering of weakly bound light-mass nuclei	RUBEN YVAN MAARTEN FOSSION Fraser, P. R. Massen-Hane, K. et al.	PHYSICAL REVIEW C	2016
51	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
52	Statistical Study of the Fluctuations in the Heart Rhythm in Subjects of Different Ages, in Rest and With Physiological Stress	LESLI AIDE ALVAREZ MILLAN RUBEN YVAN MAARTEN FOSSION Ruiz Coronel, Ali	AIP Conference Proceedings	2016
53	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
54	Human aging and loss variability brain networks based on electroencephalogram (EEG) data	OCTAVIO ABRAHAM BUREOS LECONA BRUNO ELOY MENDEZ AMBROSIO RUBEN YVAN MAARTEN FOSSION et al.	AIP Conference Proceedings	2016
55	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
56	Data-adaptive unfolding of nonergodic spectra: Two-Body Random Ensemble	RUBEN YVAN MAARTEN FOSSION VICTOR MANUEL VELAZQUEZ AGUILAR JUAN CARLOS LOPEZ VIEYRA et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2015
57	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
58	Data-adaptive unfolding of nuclear excitation spectra: A time-series approach	RUBEN YVAN MAARTEN FOSSION VICTOR MANUEL VELAZQUEZ AGUILAR JUAN CARLOS LOPEZ VIEYRA et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2014
59	A time-series approach to dynamical systems from classical and quantum worlds	RUBEN YVAN MAARTEN FOSSION	AIP Conference Proceedings	2014

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60	Diagnosis of Digestive Functional Disease by the Statistics of Continuous Monitoring of Esophageal Acidity	RUBEN YVAN MAARTEN FOSSION Landa R.R. Cardenas E.C. et al.	AIP Conference Proceedings	2014
61	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
62	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
63	Modelling scattering and resonances of weakly-bound radioactive nuclei	RUBEN YVAN MAARTEN FOSSION Fraser P.R. Canton L. et al.	EOS ANNUAL MEETING, EOSAM 2024	2013
64	Random-matrix spectra as a time series	RUBEN YVAN MAARTEN FOSSION GAMALIEL TORRES VARGAS JUAN CARLOS LOPEZ VIEYRA	PHYSICAL REVIEW E	2013
65	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
66	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
67	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
68	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
69	Nuclear models	RUBEN YVAN MAARTEN FOSSION	AIP Conference Proceedings	2010
70	Journal of Physics: Conference Series: Preface	LIBERTAD BARRON PALOS ROELOF BIJKER RUBEN YVAN MAARTEN FOSSION et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2010
71	Chaos in hadrons	RUBEN YVAN MAARTEN FOSSION ROELOF BIJKER	REVISTA MEXICANA DE FISICA	2009
72	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

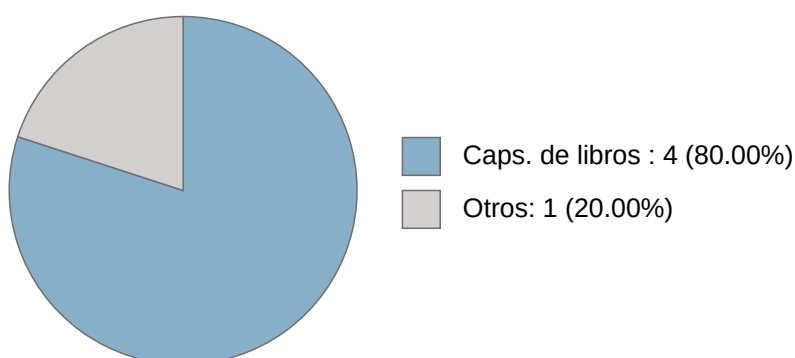
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73	The effective force NL3 revisited	RUBEN YVAN MAARTEN FOSSION Lalazissis G.A. Karatzikos S. et al.	PHYSICS LETTERS B	2009
74	Signatures for shape-phase transitions in the rare-earth nuclei, in the evolution of single-particle spectra and two-particle transfer-intensities	RUBEN YVAN MAARTEN FOSSION	REVISTA MEXICANA DE FISICA	2008
75	Shape-phase transitions and two-particle transfer intensities	RUBEN YVAN MAARTEN FOSSION Alonso C.E. Arias J.M. et al.	PHYSICAL REVIEW C	2007
76	E(5), X(5), and prolate to oblate shape phase transitions in relativistic Hartree-Bogoliubov theory	RUBEN YVAN MAARTEN FOSSION Bonatsos D. Lalazissis G.A.	PHYSICAL REVIEW C	2006
77	A theoretical description of energy spectra and two-neutron separation energies for neutron-rich zirconium isotopes	RUBEN YVAN MAARTEN FOSSION García-Ramos J.E. Heyde K. et al.	EUROPEAN PHYSICAL JOURNAL A	2005
78	Shape coexistence in the lead isotopes using algebraic models: Description of spectroscopic and ground-state related properties	RUBEN YVAN MAARTEN FOSSION Hellemans V. De Baerdemacker S. et al.	ACTA PHYSICA POLONICA B	2005
79	Configuration mixing in ^{188}Pb : Band structure and electromagnetic properties	RUBEN YVAN MAARTEN FOSSION Hellemans V. De Baerdemacker S. et al.	PHYSICAL REVIEW C	2005
80	Phase transitions versus shape coexistence	RUBEN YVAN MAARTEN FOSSION Heyde K. Jolie J. et al.	PHYSICAL REVIEW C	2004
81	Intruder bands and configuration mixing in lead isotopes	RUBEN YVAN MAARTEN FOSSION Heyde K. Thiamova G. et al.	PHYSICAL REVIEW C	2003
82	Nuclear binding energies: Global collective structure and local shell-model correlations	RUBEN YVAN MAARTEN FOSSION De Coster C. García-Ramos J.E. et al.	NUCLEAR PHYSICS A	2002
83	Differences between pairing and zero-range effective interactions for nuclear binding energies	RUBEN YVAN MAARTEN FOSSION Heyde K. García-Ramos J.E. et al.	EUROPEAN PHYSICAL JOURNAL A	2002
84	Proton-neutron quadrupole interactions: An effective contribution to the pairing field	RUBEN YVAN MAARTEN FOSSION De Coster C. García-Ramos J.E. et al.	PHYSICAL REVIEW C	2002
85	Accurate masses of neutron-deficient nuclides close to $Z=82$	RUBEN YVAN MAARTEN FOSSION Schwarz S. Ames F. et al.	NUCLEAR PHYSICS A	2001
86	Two-neutron separation energies, binding energies and phase transitions in the interacting boson model	RUBEN YVAN MAARTEN FOSSION García-Ramos J.E. De Coster C. et al.	NUCLEAR PHYSICS A	2001

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

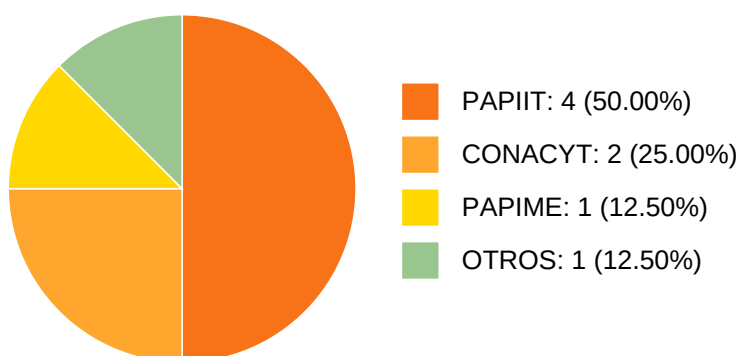


#	Título	Autores	Alcance	Año	ISBN
1	Looking for biomarkers in physiological time series	ANA LEONOR RIVERA LOPEZ BRUNO ESTAÑOL VIDAL JUAN CLAUDIO TOLEDO ROY et al.	Capítulo de un Libro	2018	9783319739755
2	Homeostasis from a time-series perspective: An intuitive interpretation of the variability of physiological variables	RUBEN YVAN MAARTEN FOSSION ANA LEONOR RIVERA LOPEZ JUAN CLAUDIO TOLEDO ROY et al.	Capítulo de un Libro	2018	9783319739755
3	The scientific method as a point of departure in aging research	RUBEN YVAN MAARTEN FOSSION Zapata-Fonseca L.	Capítulo de un Libro	2018	9783319953878
4	Data Mining and Time-Series Analysis as Two Complementary Approaches to Study Body Temperature in Obesity	RUBEN YVAN MAARTEN FOSSION KARLA PAOLA GARCIA PELAGIO Stephens, C.R. et al.	Proceedings Paper	2017	9781450352499
5	The scientific method	RUBEN YVAN MAARTEN FOSSION Zapata-Fonseca L.	Capítulo de un Libro	2015	9783319183237

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	In accordance with the terms, the overseas host organisations and Northumbria wish to enter into this agreement to regulate the collaboration of the parts on the project.	RUBEN YVAN MAARTEN FOSSION	Universidades, Centros, Institutos u Organismos Internacionales	01-02-2016	31-01-2019
2	Redes dinámicas para el estudio de la Neurobiología del Arte y de las Adicciones	RUBEN YVAN MAARTEN FOSSION	Recursos PAPIIT	01-01-2017	31-12-2018
3	ENFERMEDADES COMPLEJAS: HIPÓTESIS DE UN ORIGEN COMÚN BASADO EN ALTERACIÓN DE RITMOS Y SINCRONIZACIÓN	RUBEN YVAN MAARTEN FOSSION	Recursos CONACYT	23-12-2015	27-06-2018
4	Series de tiempo, regulación y resiliencia de sistemas complejos dinámicos.	RUBEN YVAN MAARTEN FOSSION	Recursos PAPIIT	01-01-2019	31-12-2020
5	Medidas puntuales y series de tiempo: Aplicaciones en la Física Biomédica	RUBEN YVAN MAARTEN FOSSION	Recursos PAPIME	01-01-2019	31-12-2019

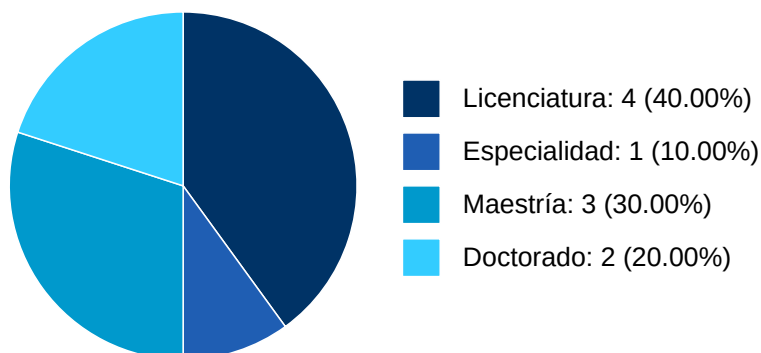
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6	Enfermedades complejas: Hipótesis de un origen común basado en alteración de ritmos y sincronización.	RUBEN YVAN MAARTEN FOSSION	Recursos CONACYT	23-12-2015	15-02-2019
7	Sistemas complejos y series de tiempo: desde variables individuales hacia mecanismos regulatorios y redes de interacción	RUBEN YVAN MAARTEN FOSSION	Recursos PAPIIT	01-01-2021	31-12-2023
8	Sistemas complejos: desde las series de tiempo a la modelación matemática	RUBEN YVAN MAARTEN FOSSION	Recursos PAPIIT	01-01-2024	31-12-2026

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Evaluación fisiológica de la fragilidad basado en alteraciones cardíacas en la marcha y en el equilibrio	Tesis de Doctorado	RUBEN YVAN MAARTEN FOSSION,	Álvarez Millán, Lesli Aide,	Instituto de Ciencias Nucleares,	2023
2	Cuantificación de interacción sensoriomotora diádica en tiempo real con aplicación en trastornos de interacción social	Tesis de Doctorado	RUBEN YVAN MAARTEN FOSSION,	Zapata Fonseca, Leonardo Iván,	Instituto de Ciencias Nucleares,	2021
3	Estudio estadístico de regulación homeostática cardiovascular en el envejecimiento humano mediante series de tiempo	Tesis de Licenciatura	RUBEN YVAN MAARTEN FOSSION,	Miranda Velazco, Jaime Esaú,	Instituto de Ciencias Nucleares,	2021
4	Investigación de metabolitos asociados a la pre-diabetes por análisis de trazas moleculares en el aliento exhalado	Tesis de Maestría	JESUS FLORES MIJANGOS,	RUBEN YVAN MAARTEN FOSSION, ANTONIO MARCELO JUAREZ REYES, et al.	Facultad de Medicina, Instituto de Ciencias Físicas, Instituto de Ciencias Nucleares,	2017

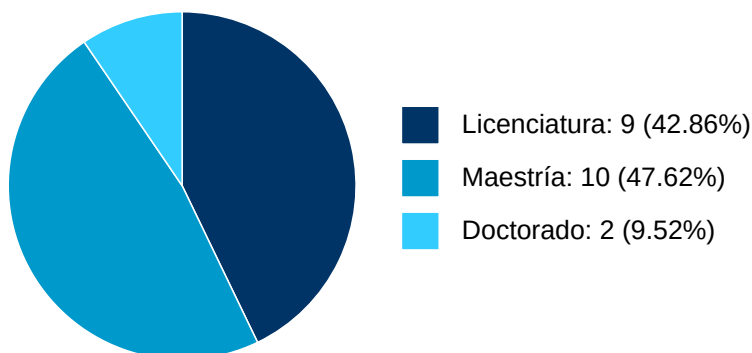
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5	Más allá de la variabilidad del ritmo cardíaco : estudio estadístico de las fluctuaciones en el ritmo cardíaco en personas de diferentes edades, en reposo y bajo diferentes estímulos	Tesis de Licenciatura	RUBEN YVAN MAARTEN FOSSION,	Álvarez Millán, Lesli Aide,	Instituto de Ciencias Nucleares,	2016
6	Bombeo de la faringe de caenorhabditis elegans : estudio preliminar de series de tiempo a través de procesamiento digital de imágenes para modelar la fragilidad	Tesis de Licenciatura	RUBEN YVAN MAARTEN FOSSION,	Garduño Alvarado, Ixchel,	Instituto de Ciencias Nucleares,	2016
7	Monitoreo continuo de acidez esofágica (phmetría 24 h) interpretado como serie de tiempo	Tesis de Maestría	RUBEN YVAN MAARTEN FOSSION,	Rivera Landa, Rogelio,		2015
8	Redes cerebrales funcionales basadas en eeg : pérdida de complejidad con envejecimiento	Tesis de Licenciatura	RUBEN YVAN MAARTEN FOSSION,	Bureos Lecona, Octavio Abraham,		2015
9	Estudio de espectros de matrices aleatorias como series de tiempo	Tesis de Maestría	RUBEN YVAN MAARTEN FOSSION,	Torres Vargas, Gamaliel,		2013
10	Alteraciones del balance en pacientes con fibromialgia	Tesis de Especialidad	RUBEN YVAN MAARTEN FOSSION,	LAURO MARTINEZ, MARTINEZ, MARIO ULISES PEREZ ZEPEDA, et al.	Facultad de Medicina,	2012

RUBEN YVAN MAARTEN FOSSION

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	MEDICION Y ANALISIS EN LA FISICA EX	Facultad de Ciencias	11	2024-2
2	Licenciatura	TECNICAS Y HERRAMIENTAS III	Facultad de Medicina	3	2022-1
3	Licenciatura	METODOLOGIA D LA FISICA EXPERIMENTA	Facultad de Ciencias	13	2020-1
4	Licenciatura	METODOLOGIA D LA FISICA EXPERIMENTA	Facultad de Ciencias	11	2019-1
5	Licenciatura	MEDICION Y ANALISIS EN LA FISICA EX	Facultad de Ciencias	14	2018-2
6	Doctorado	ESTANCIA BIOMEDICA II	Facultad de Medicina	1	2017-2
7	Doctorado	TUTORIA II	Facultad de Medicina	1	2017-2
8	Licenciatura	ELABOR Y DESARROLLO PROYECT EXPERIM	Facultad de Ciencias	9	2016-2
9	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2016-2
10	Maestría	SEMINARIO DE INVESTIGACION II	Facultad de Ciencias	1	2014-2
11	Licenciatura	TEM. SELEC.FISICA MATEMAT.TEOR.I	Facultad de Ciencias	2	2014-1
12	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	1	2014-1
13	Maestría	TEMAS SELECTOS	Instituto de Ciencias Nucleares	1	2014-1
14	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR.II	Facultad de Ciencias	7	2013-2
15	Licenciatura	TEM. SELEC.FISICA MATEMAT.TEOR.I	Facultad de Ciencias	8	2013-1
16	Maestría	TEMAS SELECTOS	Instituto de Ciencias Nucleares	1	2013-1
17	Maestría	TEMAS SELECTOS	Instituto de Ciencias Nucleares	1	2012-2
18	Maestría	TEMAS SELECTOS	Instituto de Ciencias Nucleares	2	2012-2



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



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19	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Ciencias Nucleares	1	2012-2
20	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	1	2012-1
21	Maestría	TEMAS SELECTOS	Instituto de Ciencias Nucleares	1	2011-2



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



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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