

Productos de las LGAC-NAB
Maestría en Ciencias en Física

Astrofísica (3 profesores), Física Experimental (6 profesores), Física Teórica (4 profesores)

LGAC Astrofísica y Gravitacion

Productividad Artículos				
Autor del NAB	Título publicación	Revista	Año	Estudiante
GERARDO RAMOS LARIOS	<u>Detailed studies of IPHAS sources - II. Sab 19, a true planetary nebula and its mimic crossing the Perseus Arm</u>	Monthly Notices of the Royal Astronomical Society, 2021, 501(3), pp. 3594–3604	2021	
GERARDO RAMOS LARIOS	<u>On the Contribution of the X-Ray Source to the Extended Nebular HeII Emission in IZW18</u>	Astrophysical Journal Letters, 2021, 908(2), L54	2021	
GERARDO RAMOS LARIOS	<u>The Decline and Fall of the Youngest Planetary Nebula</u>	Astrophysical Journal, 2021, 907(2), 104	2021	
GERARDO RAMOS LARIOS	<u>Detailed studies of IPHAS sources - I. The disrupted late bipolar IPHASX J193718.6+202102</u>	Monthly Notices of the Royal Astronomical Society, 2021, 501(3), pp. 3582–3593	2021	
GERARDO RAMOS LARIOS	Application of Artificial Neural Networks for the Automatic Spectral Classification Vilavicencio-Arcadia, E., Navarro, S.G., Corral, L.J., ...Kemp, S.N., Ramos-Larios, G	Mathematical Problems in Engineering, 2020, 2020, 1751932	2020	

GERARDO RAMOS LARIOS	Angular Expansion of Nova Shells Santamariá, E., Guerrero, M.A., Ramos-Larios, G., ...Rubio, G., Quino-Mendoza, J.A	Astrophysical Journal, 2020, 892(1), 60	2020	Santamaria, E. Quino Mendoza, J.A.
GERARDO RAMOS LARIOS	H ₂ emission in the low-ionization structures of the planetary nebulae NGC 7009 and NGC 6543 Akras, S., Goncalves, D.R., Ramos-Larios, G., Aleman, I	Monthly Notices of the Royal Astronomical Society, 2020, 493(3), pp. 3800–3810	2020	
GERARDO RAMOS LARIOS	The Bubble Nebula NGC 7635-Testing the wind-blown bubble theory Toalá, J.A., Guerrero, M.A., Todt, H., ...Ramos-Larios, G., Gómez-González, V.M.A to	Monthly Notices of the Royal Astronomical Society, 2020, 495(3), pp. 3041–3051	2020	
GERARDO RAMOS LARIOS	Rings and arcs around evolved stars – II. The carbon star AFGL 3068 and the planetary nebulae NGC 6543, NGC 7009, and NGC 7027	Monthly Notices of the Royal Astronomical Society, 2020, 495(2), pp. 2234–2246	2020	
GERARDO RAMOS LARIOS	Molecular hydrogen microstructures in planetary nebulae Akras, S., Gonçalves, D.R., Ramos-Larios, G., Aleman, I.	Galaxies, 2020, 8(2), 30	2020	
GERARDO RAMOS LARIOS	Planetary nebulae with Wolf-Rayet-type central stars-I. the case of the high-excitation NGC 2371	Monthly Notices of the Royal Astronomical Society, 2020, 496(1), pp. 959–973	2020	

	Gómez-González, V.M.A., Toalá, J.A., Guerrero, M.A., ...Ramos-Larios, G., Mayya, Y.D			
GERARDO RAMOS LARIOS	Discovery of a Fast-expanding Shell in the Inside-out Born-again Planetary Nebula HuBi 1 through High-dispersion Integral Field Spectroscopy Rechy-García, J.S., Guerrero, M.A., Santamaría, E., ...Fang, X., Liu, J.	Astrophysical Journal Letters, 2020, 903(1), L4	2020	Santamaria, E.
GERARDO RAMOS LARIOS	Unveiling the stellar origin of the Wolf-rayet nebula NGC6888 through infrared observations Rubio, G., Toala, J.A., Jimenez-Hernandez, P., ...Santamaria, E., Quino-Mendoza, J.A	Monthly Notices of the Royal Astronomical Society, 2020, 499(1), pp. 415–427	2020	Santamaria, E.
GERARDO RAMOS LARIOS	Un censo de estrellas simbióticas en las encuestas 2MASS, WISE y Gaia	Revista astrofísica, serie de suplementos,	2019	
GERARDO RAMOS LARIOS	Estructuras de infrarrojos ocultas en NGC 40: señal de un antiguo evento nacido de nuevo	Avisos mensuales de la Royal Astronomical Society,	2019	
GERARDO RAMOS LARIOS	Midiendo la expansión y la edad de la carcasa nova IPHASX J210204.7 + 471015	Avisos mensuales de la Royal Astronomical Society,	2019	

GERARDO RAMOS LARIOS	Un enfoque de aprendizaje automático para la identificación y clasificación de estrellas simbióticas utilizando 2MASS y WISE	Avisos mensuales de la Royal Astronomical Society,	2019	
GERARDO RAMOS LARIOS	La cantidad de materia oscura en las galaxias de tipo temprano y su relación con el medio ambiente.	Avisos mensuales de la Royal Astronomical Society,	2019	
GERARDO RAMOS LARIOS	The interaction of the halo around the butterfly planetary nebula NGC650-1 with the interstellar medium	Monthly Notices of the Royal Astronomical Society	2018	
GERARDO RAMOS LARIOS	Catching a grown-up starfish planetary nebula- I. morpho- kinematical study of PC 22	Monthly Notices of the Royal Astronomical Society	2017	
GERARDO RAMOS LARIOS	H ₂ in low- ionization structures of planetary nebulae.	Monthly Notices of the Royal Astronomical Society	2017	
GERARDO RAMOS LARIOS	Multi-band polarimetry of post-asymptotic giant branch stars - I. Optical measurements	Monthly Notices of the Royal Astronomical Society	2017	
GERARDO RAMOS LARIOS	Pushing the limits: Detecting H ₂ emission from faint bipolar planetary nebulae in the IPHAS sample	Monthly Notices of the Royal Astronomical Society	2017	

GERARDO RAMOS LARIOS	Dark matter inside early-type galaxies as function of mass and redshift	Monthly Notices of the Royal Astronomical Society	2016	
GERARDO RAMOS LARIOS	Proof of shock- excited H2 in low-ionization structure of PNe. - 11th Pacific Rim Conference on Stellar Astrophysics	Journal of Physics: Conference Series	2016	
GERARDO RAMOS LARIOS	Rings and arcs around evolved stars - I. fingerprints of the last gasps in the formation process of planetary nebulae	Monthly Notices of the Royal Astronomical Society	2016	E. Santamaría
GERARDO RAMOS LARIOS	Spitzer mid- infrared spectroscopic observations of planetary nebulae*	Monthly Notices of the Royal Astronomical Society	2016	H. Mata
GERARDO RAMOS LARIOS	THE TIDAL FILAMENT OF NGC 4660	Astrophysical Journal	2016	
GERARDO RAMOS LARIOS	A SEARCH FOR WATER MASER EMISSION TOWARD OBSCURED POST- AGB STAR AND PLANETARY NEBULA CANDIDATES ISSN: 0004-6361 E-ISSN: 1432-0746	Astronomy & Astrophysics	2015	
GERARDO RAMOS LARIOS	HOW MUCH DARK MATTER IS THERE INSIDE EARLY- TYPE GALAXIES? ISSN: 0035-8711 E-ISSN: 1365-2966	Monthly Notices of the Royal Astronomical Society	2015	

GERARDO RAMOS LARIOS	Hubble Space Telescope Observations of New Rings in AGB Stars, PPN and PN. - Why Galaxies Care about AGB Stars III: A Closer Look in Space and Time	ASP Conference Series, Viena - Austria	2015	E. , SANTAMARÍA
GERARDO RAMOS LARIOS	NGC6309, A PLANETARY NEBULA THAT SHIFTED FROM ROUND TO MULTIPOLAR. ISSN: 0035-8711 E-ISSN: 1365-2966	Monthly Notices of the Royal Astronomic al Society	2015	H. Mata
GERARDO RAMOS LARIOS	THE BORN-AGAIN PLANETARY NEBULA A78: AN X-RAY TWIN OF A30. ISSN: 0004-637X E-ISSN:1538-4357	The Astrophysic al Journal	2015	
GERARDO RAMOS LARIOS	THE EXCITATION MECHANISM OF H2 IN BIPOLAR PLANETARY NEBULAE ISSN: 0035-8711 E-ISSN: 1365-2966	Monthly Notices of the Royal Astronomic al Society	2015	
GERARDO RAMOS LARIOS	THE FIRST "WATER FOUNTAIN" COLLIMATED OUTFLOW IN A PLANETARY NEBULA. ISSN: 0004-637X E-ISSN:1538-4357	The Astrophysic al Journal	2015	
GERARDO RAMOS LARIOS	TIME-VARIABLE NON-THERMAL EMISSION IN THE PLANETARY NEBULA IRAS 15103-5754. ISSN: 0004-637X E-ISSN:1538-4357	The Astrophysic al Journal	2015	

GERARDO RAMOS LARIOS	WISE MORPHOLOGICAL STUDY OF WOLF- RAYET NEBULAE. ISSN: 0004-6361 E-ISSN: 1432-0746	Astronomy & Astrophysics	2015	
Dr. Ramiro Franco Hernández				
RAMIRO FRANCO HERNANDEZ	THE EVOLUTION OF THE INNER REGIONS OF PROTOPLANETARY DISKS	ASTROPHYSICAL JOURNAL	2020	
RAMIRO FRANCO HERNANDEZ	Complex Magnetospheric Accretion Flows in the Low Accretor CVSO 1335	ASTROPHYSICAL JOURNAL	2019	
RAMIRO FRANCO HERNANDEZ	An Incipient Debris Disk in the Chamaeleon I Cloud	The Astrophysical Journal	2017	
RAMIRO FRANCO HERNANDEZ	The Tidal Filament of NGC 4660	The Astrophysical Journal	2016	
RAMIRO FRANCO HERNANDEZ	ALMA REVEALS A CANDIDATE HOT AND COMPACT DISC AROUND THE O-TYPE PROTOSTAR IRAS 16547-4247	Monthly Notices of the Royal Astronomical Society	2015	
RAMIRO FRANCO HERNANDEZ	THE 2014 ALMA LONG BASELINE CAMPAIGN: AN OVERVIEW	Astrophysical Journal Letters	2015	
Dr. Simon Nicholas Kemp				
SIMON NICHOLAS KEMP	Ultracompact H ii regions with extended emission: The case of G43.89-0.78 and its molecular environment	Monthly Notices of the Royal Astronomical	2020	

		Society, 2020, 497(4), pp. 4436–4447		
SIMON NICHOLAS KEMP	Ultracompact HII regions with extended emission: The complete view	Monthly Notices of the Royal Astronomical Society, 2020, 492(1), pp. 895–914	2020	
SIMON NICHOLAS KEMP	Application of Artificial Neural Networks for the Automatic Spectral Classification	Mathematical Problems in Engineering, 2020, 2020, 1751932	2020	
SIMON NICHOLAS KEMP	The quantity of dark matter in early-type galaxies and its relation to the environment	Monthly Notices of the Royal Astronomical Society, 2019, (1), pp. 1320–1331	2019	
SIMON NICHOLAS KEMP	Analytical Model for the Dynamical Motion of the Bulges of Two Interacting Galaxies	Astronomical Journal, 2018, 156(5), 215	2018	
SIMON NICHOLAS KEMP	Automatic Spectral Classification of Galaxies in the Infrared	Multi- Object Spectroscopy in the Next Decade: Big Questions, Large Surveys, and Wide Fields. Proceed	2016	
SIMON NICHOLAS KEMP	Photometric and spectroscopic study of cD galaxies	Star Clusters and Black Holes in Galaxies across Cosmic Time, Proceedings of the	2016	

		International Astro		
SIMON NICHOLAS KEMP	Automatic Spectral Classification of Galaxies in the Infrared	ASP Conference Series	2016	
SIMON NICHOLAS KEMP	CONSTRUCTION OF TRAINING CATALOGUE AND AUTOMATED CLASSIFICATION OF 3 INFRARED SPECTRA OF GALAXIES USING NON SUPERVISED NEURAL NETWORKS ISSN: 1983-8409	Journal of Computational Interdisciplinary Sciences	2016	
SIMON NICHOLAS KEMP	Dark matter inside early-type galaxies as function of mass and redshift	Monthly Notices of the Royal Astronomical Society	2016	
SIMON NICHOLAS KEMP	Spitzer mid- infrared spectroscopic observations of planetary nebulae	MNRAS	2016	Mata, H.
SIMON NICHOLAS KEMP	The tidal filament of NGC 4660	Astrophysical Journal	2016	
SIMON NICHOLAS KEMP	Dark matter in early-type galaxies. Dependence on mass	IAU General Assembly	2015	

SIMON NICHOLAS KEMP	HOW MUCH DARK MATTER IS THERE INSIDE EARLY- TYPE GALAXIES? ONLINE ISSN: 1365-2966	Monthly Notices of the Royal Astronomic al Society	2015	
SIMON NICHOLAS KEMP	New structures found in WISE imaging of Planetary Nebulae	APN VI Conference	2014	Santamaria, E.;
SIMON NICHOLAS KEMP	New structures found in WISE imaging of Planetary Nebulae	Asymmetric al Planetary Nebulae VI conference, Proceedings of the conference held 4-8 November, 2013	2014	Edgar Santamaria
SIMON NICHOLAS KEMP	OPTICAL TO NEAR-INFRARED ANALYSIS FOR THE GALAXY GROUP RSCG 44	Internationa l Journal of Astronomy and Astrophysic s	2014	
SIMON NICHOLAS KEMP	New structures found in WISE imaging of Planetary Nebulae	APN VI Conference	2014	SANTAMARIA, E.
SIMON NICHOLAS KEMP	THE TIDAL FILAMENT OF NGC 4660 ISSN: 0004-637X	Astrophysic al Journal	2014	

LGAC Física Experimental

Productividad Artículos				
Autor del NAB	Título publicación	Revista	Año	Estudiante
Dr. Arturo Chávez Chávez				

ARTURO CHAVEZ CHAVEZ	Effect of the copper plasma density on the growth of SiO _x -Cu thin films by PLD Quiñones-Galván, J.G., Cardona, D., Rivera, L.P., Gómez-Rosas, G., Chávez-Chávez, A	Materials Letters, 2021, 284, 129024	2021	
ARTURO CHAVEZ CHAVEZ	UV and Visible light photodegradation of methylene blue with graphene decorated titanium dioxide	Materials Research Express, 2020, 7(3), 035504	2020	
ARTURO CHAVEZ CHAVEZ	Synthesis of silicon nanoparticles by laser ablation at low fluences in water and ethanol	Materials Research Express, 2020, 7(2), 025008	2020	Jose Antonio Serrano Ruz
ARTURO CHAVEZ CHAVEZ	Mercury sulfide thin film deposition using [HgI ₄] ²⁻ complex ions -	Journal of Materials Science: Materials in Electronics, 2020, 31(6), pp. 4611–4617	2020	
ARTURO CHAVEZ CHAVEZ	Alternative Bi precursor effects on the structural, optical, morphological and photocatalytic properties of BiOI nanostructures	Materials Research Express, 2020, 7(1), 015912	2020	

ARTURO CHAVEZ CHAVEZ	CdTe:Sn thin films deposited by the simultaneous laser ablation of CdTe and Sn Targets	Materials Research Express, 2019, 7(1) , 015905	2019	
ARTURO CHAVEZ CHAVEZ	Efecto de la combinación de plasmas de Cu y CdTe sobre las propiedades estructurales y ópticas de las películas delgadas de CdTe: Cu depositadas por ablación láser	Ciencia de materiales en el procesamiento de semiconductores	2018	
ARTURO CHAVEZ CHAVEZ	Pulsed laser deposition of zinc vanadates from a ZnV2O6 target	Journal of Laser Applications	2018	
ARTURO CHAVEZ CHAVEZ	Synthesis of colloidal silicon and germanium nanoparticles by laser ablation of solid Si and Ge targets in ethanol	Materials Research Express	2018	Jose Antonio Serrano Ruz ,
ARTURO CHAVEZ CHAVEZ	Fatigue behavior of superferritic stainless steel laser shock treated without protective coating (ISSN:0030-3992)	Optics and Laser Technology	2017	
ARTURO CHAVEZ CHAVEZ	(ISBN 13978194176344 5) Proceedings of the 10th International Multi-conference on Society; Cybernetic and Informatics (IMSCI 2016)	Effect of enrollment policies in professional formation: A case study in the formation of professiona	2016	

ARTURO CHAVEZ CHAVEZ	The ability of human nuclear DNA to cause false positive low-abundance heteroplasmy calls varies across the mitochondrial genome (ISSN: 1471-2164)	BMC Genomics	2016	
ARTURO CHAVEZ CHAVEZ	(ISBN 9789506583781) V encuentro de jóvenes investigadores en ciencia y tecnología de materiales	Ciclado de un acero inoxidable superferrítico o con y sin procesos superficiales de impactos con láser	2015	
ARTURO CHAVEZ CHAVEZ	Laser Shock Processing with Different Conditions of Treatment on Duplex Stainless Steel (ISSN:1059-9495)	Journal of Materials Engineering and Performance	2015	
ARTURO CHAVEZ CHAVEZ	ELECTRON DETACHMENT CROSS SECTIONS OF CH4 COLLIDING WITH O2 AND N2 BELOW 10 KEV ENERGIES (ISSN: 1009-0630)	Plasma Sources Science and Technology	2014	
ARTURO CHAVEZ CHAVEZ	OVERLAPPING OF LASER PULSES AND ITS EFFECT ON THE YIELD OF SILVER NANOPARTICLES IN WATER (ISSN: 2161-6221)	Journal of Materials Science and Engineering B	2014	
Dra. Anne Cros				
ANNE CROS	<u>Multistability intermittency in an air-conveying soft tube</u>	Communications in Nonlinear Science and Numerical Simulation, 2020, 82, 105057	2020	

ANNE CROS	<u>Resonance of a flexible plate immersed in a von Kármán vortex street</u>	Journal of Mechanical Science and Technology, 2020, 34(4), pp. 1459–1465	2020	
ANNE CROS	<u>Coalescence of lenticular anticyclones in a linearly stratified rotating fluid</u>	Geophysical and Astrophysical Fluid Dynamics, 2020, 14(4-5), pp. 504–523	2020	
ANNE CROS	<u>Vortical patterns generated by flapping foils of variable ratio chord-to-thickness</u>	Experiments in Fluids, 2018, 59(10), 152	2018	
Dr. Miguel Ángel Santana Aranda				
MIGUEL ANGEL SANTANA ARANDA	ZnO thin films grown at different plasma energies by the laser ablation of metallic Zn with a 532 nm wavelength De León, J.A.G., Pérez-Centeno, A., Gómez-Rosas, G., ...Santana-Aranda, M.A., Quiones-Galvan, J.G	Materiales Research Express ,	2020	
MIGUEL ANGEL SANTANA ARANDA	Alternative Bi precursor effects on the structural, optical, morphological and photocatalytic properties of BiOI nanostructures Florez-Rios, J.F., Santana-Aranda, M.A., Quiñones-Galván, J.G., ...Chávez-Chávez, A., Pérez-Centeno, A	Materiales Research Express ,	2020	

MIGUEL ANGEL SANTANA ARANDA	Mercury sulfide thin film deposition using [HgI ₄] ²⁻ complex ions Moreno-Close, E.R., Martínez-Benítez, A., Meléndez-Lira, M., ...Quiñones-Galván, J.G., Santana-Aranda, M.A	Journal of Materials Science: Materials in Electronics, 2020, 31(6), pp. 4611–4617	2020	
MIGUEL ANGEL SANTANA ARANDA	UV and Visible light photodegradation of methylene blue with graphene decorated titanium dioxide Acosta-Esparza, M.A., Rivera, L.P., Pérez-Centeno, A., ...Santos-Cruz, J., Quiones-Galván, J.G	Materials Research Express, 2020, 7(3), 035504	2020	
MIGUEL ANGEL SANTANA ARANDA	CdTe:Sn thin films deposited by the simultaneous laser ablation of CdTe and Sn targets Rivera, L.P., García, E., Cardona, D., ...Chávez-Chávez, A., Quiñones-Galván, J.G.	Materials Research Express, 2019, 7(1), 015905	2019	
MIGUEL ANGEL SANTANA ARANDA	Efecto de la densidad del plasma de Cu sobre ZnO: películas delgadas de Cu cultivadas por PLD	Materiales Research Express	2018	
MIGUEL ANGEL SANTANA ARANDA	Efecto de la combinación de plasmas de Cu y CdTe sobre las propiedades estructurales y ópticas de las películas delgadas de CdTe: Cu depositadas por ablación láser	Ciencia de materiales en el procesamiento de semiconductores,	2018	

MIGUEL ANGEL SANTANA ARANDA	Pulsed laser deposition of zinc vanadates from a ZnV ₂ O ₆ target	JOURNAL OF LASER APPLICATIONS	2018	
MIGUEL ANGEL SANTANA ARANDA	Synthesis of colloidal silicon and germanium nanoparticles by laser ablation of solid Si and Ge targets in ethanol	MATERIALS RESEARCH EXPRESS	2018	
MIGUEL ANGEL SANTANA ARANDA	Antibacterial activity of nanoparticles of titanium dioxide, intrinsic and doped with indium and iron	Microbiology Research International	2016	
MIGUEL ANGEL SANTANA ARANDA	Physical properties of a non-transparent cadmium oxide thick film deposited at low fluence by pulsed laser deposition (ISSN: 0025-5408)	Materials Research Bulletin	2016	
MIGUEL ANGEL SANTANA ARANDA	Silver Nanoparticles by Laser Ablation Confined in Alcohol Using an Argon Gas Environment	JOURNAL OF LASER MICRO NANOENGINEERING	2016	

MIGUEL ANGEL SANTANA ARANDA	Influence of plasma parameters and substrate temperature on the structural and optical properties of CdTe thin films deposited on glass by laser ablation (ISSN: 0021-8979)	JOURNAL OF APPLIED PHYSICS	2015	
MIGUEL ANGEL SANTANA ARANDA	Overlapping of Laser Pulses and its Effect on the Yield of Silver Nanoparticles in Water (ISSN: 2161-6221)	Journal of Materials Science and Engineering B	2014	
Dr. Carlos Rafael Michel Uribe				
CARLOS RAFAEL MICHEL URIBE	Novel UV sensing and photocatalytic properties of nanostructured LiCoO ₂ prepared by the coprecipitation method Michel, C.R., Lopez-Alvarez, M.A., Martínez-Preciado, A.H	Journal of Photochemistry and Photobiology A: Chemistry, 2020, 403, 112842	2020	
CARLOS RAFAEL MICHEL URIBE	Characterization of nutritional and functional properties of “Blanco Sinaloa” chickpea (Cicer arietinum L.) variety, and study of the rheological behavior of hummus pastes Martínez-Preciado, A.H., Ponce-Simental, J.A., Schorno, A.L., ...Rivera-Ortiz, K.G., Soltero, J.F.A	Journal of Food Science and Technology, 2020, 57(5), pp. 1856–1865	2020	
CARLOS RAFAEL MICHEL URIBE	Development of a UV-visible-NIR sensor based on LiNiO ₂ prepared by the coprecipitation method Michel, C.R., Meza-León, L	Sensors and Actuators, A: Physical, 2020, 112429	2020	

CARLOS RAFAEL MICHEL URIBE	A-Ga ₂ O ₃ como fotocatalizador en la degradación del verde de malaquita	Revista ECS de ciencia y tecnología del estado sólido,	2019	
CARLOS RAFAEL MICHEL URIBE	Novel UV sensing and photocatalytic properties of DyCoO ₃ Michel, C.R., Lopez-Alvarez, M.A., Martínez-Preciado, A.H., Carbajal-Arízaga, G.G.	Journal of Sensors, 2019, 2019, 5682645	2019	
CARLOS RAFAEL MICHEL URIBE	Detección ultravioleta y actividad fotocatalítica de LaCoO ₃ nanoestructurada preparada por polimerización en solución	Revista ECS de ciencia y tecnología del estado sólido,	2019	
CARLOS RAFAEL MICHEL URIBE	<u>Rendimiento del sensor ultravioleta de la cooj nanoestructurado preparado por el método de polimerización en solución</u>	Transacciones de ECS	2018	
CARLOS RAFAEL MICHEL URIBE	<u>Ruta sencilla para obtener microesferas de CeO₂ nanoestructuradas y rendimiento de detección de gas CO</u>	Cartas de investigación a nanoescala,	2017	
CARLOS RAFAEL MICHEL URIBE	<u>Mejora de la respuesta de detección de gas de LaCoO₃ nanoestructurado mediante la adición de nanopartículas de Ag</u>	Sensores y actuadores, B: químico	2017	
CARLOS RAFAEL MICHEL URIBE	Enhanced CO ₂ - sensing response of nanostructured cobalt aluminate synthesized using a microwave- assisted colloidal method	Sensors and Actuators B: Chemical	2016	

CARLOS RAFAEL MICHEL URIBE	Response to environmental gases of BaCoO ₃ nanowires prepared by a microwave- assisted colloidal method. ISSN: 0925-4005	Sensors and Actuators B: Chemical	2016	
CARLOS RAFAEL MICHEL URIBE	CO sensing properties of novel nanostructured La ₂ O ₃ microspheres ISSN: 0925-4005	Sensors and Actuators B: Chemical	2015	
CARLOS RAFAEL MICHEL URIBE	CO ₂ gas sensing response of YPO ₄ nanobelts produced by a colloidal method ISSN: 0925-4005	Sensors and Actuators B: Chemical	2015	
CARLOS RAFAEL MICHEL URIBE	Carbon dioxide gas sensing properties of ordered oxygen deficient perovskite LnBaCo ₂ O _{5+d} (Ln = La, Eu). ISSN: 0925-4005	Sensors and Actuators B: Chemical	2015	
CARLOS RAFAEL MICHEL URIBE	Characterization of Extruded Blends of Corn and Beans (Phaseolus Vulgaris) Cultivars: Peruano and Black- Querétaro under Different Extrusion Conditions. ISSN: 1094-2912	International Journal of Food Properties	2015	
CARLOS RAFAEL MICHEL URIBE	CO SENSOR BASED ON THICK FILMS OF 3D HIERARCHICAL CeO ₂ ARCHITECTURES ISSN: 0925-4005	Sensors and Actuators B: Chemical	2014	
CARLOS RAFAEL MICHEL URIBE	Novel CO ₂ and CO gas sensor based on nanostructured Sm ₂ O ₃ hollow microspheres ISSN 0925-4005	Sensors and Actuators B: Chemical	2014	
Dr. Gilberto Gómez Rosas				

GILBERTO GOMEZ ROSAS	Effect of the copper plasma density on the growth of SiO _x -Cu thin films by PLD Quiñones-Galván, J.G., Cardona, D., Rivera, L.P., Gómez-Rosas, G., Chávez-Chávez, A	M Materials Letters, 2021, 284, 129024	2021	
GILBERTO GOMEZ ROSAS	Síntesis de nanopartículas de silicio por ablación láser a bajas fluencias en agua y etanol	Materiales Research Express ,	2020	
GILBERTO GOMEZ ROSAS	Effects of laser shock processing and shot peening on 253 MA austenitic stainless steel and their consequences on fatigue properties Spadaro, L., Hereñú, S., Strubbia, R., ...Bolmaro, R., Rubio González, C	Optics and Laser Technology, 2020, 122, 105892	2020	
GILBERTO GOMEZ ROSAS	ZnO thin films grown at different plasma energies by the laser ablation of metallic Zn with a 532 nm wavelength De León, J.A.G., Pérez-Centeno, A., Gómez-Rosas, G., ...Santana-Aranda, M.A., Quiones-Galvan, J.G	Materials Research Express, 2020, 7(1) , 016423	2020	
GILBERTO GOMEZ ROSAS	Fatigue Life Behavior of Laser Shock Peened Duplex Stainless Steel with Different Samples Geometry	Advances in Materials Science and Engineering, 2019, 2019, 8053248	2019	
GILBERTO GOMEZ ROSAS	Fatigue life rationalization of laser shock peened SAF 2205 with different swept direction	Optics and Laser Technology, 2019, 111, pp. 789–796	2019	

GILBERTO GOMEZ ROSAS	Fatigue Life Improvement in Lean Duplex Stainless Steel by Peening Treatments	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019,	2019	
GILBERTO GOMEZ ROSAS	CdTe:Sn thin films deposited by the simultaneous laser ablation of CdTe and Sn targets	Materials Research Express, 2019, 7(1), 015905	2019	
GILBERTO GOMEZ ROSAS	Influencia del espesor de la muestra en el comportamiento a la fatiga de las placas de acero con muescas sometidas a granallado por impacto láser	Tecnología óptica y láser,	2018	
GILBERTO GOMEZ ROSAS	Effect of the Cu plasma density on ZnO:Cu thin films grown by PLD Guerrero De León, J.A., Quinones-Galván, J.G., Pérez-Centeno, A., ...Camps, E., Santana-Aranda, M.A	Materials Research Express, 2018, 5(6), 066417	2018	
GILBERTO GOMEZ ROSAS	Effect of the combination of Cu and CdTe plasmas on the structural and optical properties of CdTe:Cu thin films deposited by laser ablation	Materials Science in Semiconductor Processing, 2018, 87, pp. 7–12	2018	

GILBERTO GOMEZ ROSAS	FATIGUE BEHAVIOR OF SUPERFERRITIC STAINLESS STEEL LASER SHOCK TREATED WITHOUT PROTECTIVE COATING (ISSN: 0030-3992)	OPTICS AND LASER TECHNOLOGY	2017	
GILBERTO GOMEZ ROSAS	Effect of laser shock processing on fatigue life of 2205 duplex stainless steel notched specimens	OPTICS AND LASER TECHNOLOGY	2017	
GILBERTO GOMEZ ROSAS	Influence of laser peening on fatigue crack initiation of notched aluminum plates	Structural Engineering and Mechanics	2017	
GILBERTO GOMEZ ROSAS	Influence of specimen thickness on the fatigue behavior of notched steel plates subjected to laser shock peening	Optics and Laser Technology	2017	
GILBERTO GOMEZ ROSAS	Piezoresistive method for a laser induced shock wave detection on solids	Proceedings of SPIE - The International Society for Optical Engineering	2017	
GILBERTO GOMEZ ROSAS	CHARACTERIZATION OF MECHANICAL SHOCK WAVES IN ALUMINUM 6061-T6 USING A HIGH POWER LASER PULSE (ISSN: 1996-756X)	PROC. OF SPIE	2016	

GILBERTO GOMEZ ROSAS	EFFECT OF LASER SHOCK PROCESSING ON EROSION RESISTANCE OF 6061-T6 ALUMINUM (ISSN: 2210-3384,2210-3384,1003-6326)	TRANS. NONFERROUS MET. SOC. CHINA	2016	
GILBERTO GOMEZ ROSAS	EFFECT OF LASER SHOCK PEENING AND COLD EXPANSION ON FATIGUE PERFORMANCE OF OPEN HOLE SAMPLES. ISSN PRINT: 1225-4568 (ISSN: 1598-6217)	STRUCTURAL ENGINEERING AND MECHANICS	2015	
GILBERTO GOMEZ ROSAS	LASER SHOCK PROCESSING WITH DIFFERENT CONDITIONS OF TREATMENT ON DUPLEX STAINLESS STEEL (ISSN: 1059-9495)	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	2015	
GILBERTO GOMEZ ROSAS	EFFECTO DE LOS PROCESOS DE IMPACTO LÁSER (LSP) EN ACEROS INOXIDABLES SUPERFERRÍTICOS SOBRE EL COMPORTAMIENTO DE FATIGA BAJO NÚMERO DE CICLOS	CONGRESO INTERNACIONAL DE METALURGIA Y MATERIALES SAM-CONAMET/IBEROMAT/MATERIA 2014 ISBN: 978-987-692-043-8	2014	

GILBERTO GOMEZ ROSAS	LASER SHOCK PROCESSING ON DUPLEX STAINLESS STEEL SURFACE	23 ICO CONFERENC E, SANTIAGO DE COMPOSTEL A. ESPAÑA. 26 AL 29 DE AGOSTO DEL 2014. ISBN: 978-84-697-1027-2	2014	
GILBERTO GOMEZ ROSAS	MICROSTRUCTUR AL STUDIES IN ALUMINUM ALLOY TREATED BY LASER SHOCK PROCESSING.	23 ICO CONFERENC E, SANTIAGO DE COMPOSTEL A. ESPAÑA. 26 AL 29 DE AGOSTO DEL 2014. ISBN: 978-84-697-1027-2	2014	
GILBERTO GOMEZ ROSAS	ON THE PROPERTIES AND RESISTENCE TO ABRASIVE WEAR OF SURFACE- MODIFIED TI6AL4V ALLOY BY LASER SHOCK PROCESSING, (ISSN: 1665-3521)	SUPERFICIES Y VACIO	2014	M. FLORES
GILBERTO GOMEZ ROSAS	OVERLAPPING OF LASER PULSES AND ITS EFFECT ON THE YIELD OF SILVER NANOPARTICLES IN WATER (ISSN: 2161-6221)	JOURNAL OF MATERIALS SCIENCE AND ENGINEERIN G B	2014	
Dr. Jorge Emmanuel Sánchez Rodríguez				

JORGE EMMANUEL SANCHEZ RODRIGUEZ	Structure-activity relationship studies of four novel 4-aminopyridine K ⁺ channel blockers Rodríguez-Rangel, S., Bravin, A.D., Ramos-Torres, K.M., Brugarolas, P., Sánchez-Rodríguez, J.E	Scientific Reports, 2020, 10(1), 52	2020	Rodríguez-Rangel, Sofia
JORGE EMMANUEL SANCHEZ RODRIGUEZ	Development of a PET radioligand for potassium channels to image CNS demyelination	Scientific Reports	2018	
JORGE EMMANUEL SANCHEZ RODRIGUEZ	LRET Determination of Molecular Distances during pH Gating of the Mammalian Inward Rectifier Kir1.1b Nanazashvili, M., Sánchez-Rodríguez, J.E., Fosque, B., Bezanilla, F., Sackin, H	Biophysical Journal, 2018, 114(1), pp. 88–97	2018	
JORGE EMMANUEL SANCHEZ RODRIGUEZ	Biophysical Journal	Ion Binding and Charge Movements in the Function of the Na/K- Pump	2017	
JORGE EMMANUEL SANCHEZ RODRIGUEZ	Biophysical Journal	Tuning Voltage Dependent Transitions during the Extracellular Na Binding/Release of the Na/K-ATPase	2017	
JORGE EMMANUEL SANCHEZ RODRIGUEZ	Journal of Nuclear Medicine	[¹⁸ F] 3F4AP: a new PET	2016	

		tracer for brain demyelination		
JORGE EMMANUEL SANCHEZ RODRIGUEZ	β 1 SUBUNIT- INDUCED STRUCTURAL REARRANGEMENTS OF THE Ca ²⁺ - AND VOLTAGE- ACTIVATED (BK) CHANNEL.	PROC. NATL. ACAD. SCI.	2016	
JORGE EMMANUEL SANCHEZ RODRIGUEZ	Biophysical Journal	Voltage Dependent Conformational Changes of the Na/K- ATPase Revealed by Site Directed Fluorometry	2015	
JORGE EMMANUEL SANCHEZ RODRIGUEZ	The Journal of Nuclear Medicine	Fluorinated 4- aminopyridines as PET tracers for MS	2015	
JORGE EMMANUEL SANCHEZ RODRIGUEZ	A STRUCTURAL REARRANGEMENT OF THE NA ⁺ /K ⁺ - ATPASE TRAPS OUABAIN WITHIN THE EXTERNAL ION PERMEATION PATHWAY	J. Mol. Biol.	2015	
JORGE EMMANUEL SANCHEZ RODRIGUEZ	Abstracts of Papers of the American Chemical Society	Fluorinated 4- aminopyridines as PET tracers for multiple sclerosis	2014	
JORGE EMMANUEL SANCHEZ RODRIGUEZ	Biophysical Journal	Conformational Rearrangements of the Na/K ATPase During Na Occlusion/	2014	

		Deocclusion Transitions Assesse		
JORGE EMMANUEL SANCHEZ RODRIGUEZ	Journal of Nuclear Medicine	Developme nt of a PET tracer for MS	2014	

LGAC Física Teórica

Productividad Artículos				
Autor del NAB	Título publicación	Revista	Año	Estudiante
Dr. Gustavo López Velázquez				
GUSTAVO LOPEZ VELAZQUEZ	Quantization of the 1-D Forced Harmonic Oscillator in the Space (x,v)	Journal of Modren Physics	2021	Omar Bravo
GUSTAVO LOPEZ VELAZQUEZ	C12 C13 Diamond Quantum Computer with Longitudinal rf Magnetic Field	Journal of Modern Physics	2020	Jorge Lizarraga
GUSTAVO LOPEZ VELAZQUEZ	Charged Particle in a Flat Box with Static Electromagnetic Field and Landau's Levels	Journal of Modern Physics	2020	Jorge Lizarraga

GUSTAVO LOPEZ VELAZQUEZ	Dynamics of 1-D Electron Motion under a Periodic Electric Field with Radiation Reaction Effect	Journal of Applied Mathematics and Physics	2020	Jorge Lizarraga
GUSTAVO LOPEZ VELAZQUEZ	Wigner distribution and Boltzmann-Shannon entropy for a diatomic molecule under polarized electric field interaction López, G.V., Mercado, A.P	Journal of Physics Communications, 2020, 4(2), 025011	2020	Mercado A. P.
GUSTAVO LOPEZ VELAZQUEZ	Analytical Model for the Dynamical Motion of the Bulges of Two Interacting Galaxies López, E.L., López, G.V., Kemp, S.N	Astronomical Journal, 2018, 156(5), 215	2018	Lopez E. L.
GUSTAVO LOPEZ VELAZQUEZ	Nambu-Goto action and classical orbits in any signature and in higher dimensions Larraguível, H., López, G.V., Nieto, J.A	Revista Mexicana de Física, 2017, 63(3), pp. 214–217	2017	Larraguível, H
GUSTAVO LOPEZ VELAZQUEZ	About Factorization of Quantum States with Few Qubits ISSN:2327-4352	Journal of Applied mathematics and Physics	2017	,
GUSTAVO LOPEZ VELAZQUEZ	Generalization of the Force Approach to Radiation Reaction ISSN: 2327-4352	Journal of applied Mathematics and Physics	2017	

GUSTAVO LOPEZ VELAZQUEZ	application of the New Force- Depending Radiation Approach to the Motion of a Charge in an Undulator Device ISSN: 2229-5518	International Journal of Scientific & Engineering Research	2017	C. Lizarraga
	Force approach to radiation reaction	Annals of Physics, 2016, 365, pp. 1–6	2016	
GUSTAVO LOPEZ VELAZQUEZ	STUDY OF DECOHERENCE OF ENTANGLED STATES MADE UP OF TWO BASIC STATES IN A LINEAR CHAIN OF THREE QUBITS ISSN: 2153-1196	The Journal of Modern Physics	2015	
GUSTAVO LOPEZ VELAZQUEZ	SUPERRADIANCE TRANSITION AND NONPHOTOCHEMICAL QUENCHING IN PHOTOSYNTHETIC COMPLEXES ISSN: 1932-7447	The Journal of Physical Chemistry C	2015	
GUSTAVO LOPEZ VELAZQUEZ	ONE DIMENSIONAL RELATIVISTIC FREE PARTICLE IN A QUADRATIC DISSIPATIVE MEDIUM. ISSN: 2153-1196	Journal of Modern Physics	2015	
GUSTAVO LOPEZ VELAZQUEZ	STUDY OF DECOHERENCE OF ENTANGLED STATES MADE UP OF TWO BASIC STATES IN A LINEAR CHAIN OF THREE QUBITS ISSN: 2153-1196	The Journal of Modern Physics	2015	
GUSTAVO LOPEZ VELAZQUEZ	SEARCHING SOLUTIONS BY LAGRANGE- CHARPIT METHOD IN COSMOLOGY: BIANCHI TYPE I TOY MODEL IN SELF CREATION COSMOLOGY (ISSN: 0094-243X)	AIP Proceedings	2014	

GUSTAVO LOPEZ VELAZQUEZ	ABOUT ONE- DIMENSIONAL CONSERVATIVE SYSTEMS WITH POSITION DEPENDING MASS. ISSN: 2153-1196	Journal of Modern Phyics	2014	
GUSTAVO LOPEZ VELAZQUEZ	DIAMOND AS A SOLID STATE QUANTUM COMPUTER WITH A LINEA CHAIN OF NUCLEAR SPINS SYSTEM. ISSN: 2153-1196	Journal of Modern Physics	2014	
Dr. Thomas Gorin				
THOMAS GORIN	Probing the dynamics of an open quantum system via a single qubit López Vázquez, P.C., Gorin, T	Journal of Physics A: Mathematical and Theoretical, 2020, 53(35), 355301	2020	
THOMAS GORIN	Markovian and non-Markovian dynamics induced by a generic environment Carrera, M., Gorin, T., Pineda, C	Physical Review A, 2019, 100(4), 0 42322	2019	
THOMAS GORIN	Positivity and complete positivity of differentiable quantum processes Montes Cabrera, G., Davalos, D., Gorin, T	Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383 (23), pp. 2719– 2728	2019	
THOMAS GORIN	Minimal dissipation model for bipartite quantum systems at finite temperature Ramírez Bolaños, A., Moreno Carrión, H.J.G., Gorin, T	Physical Review A, 2018, 98(1), 01 3852	2018	

THOMAS GORIN	Quantum kicked harmonic oscillator in contact with a heat bath	Physical Review A	2017	Miguel Angel Prado Reynoso,
THOMAS GORIN	A generalized fidelity amplitude for open systems	Philosophical Transactions of the Royal Society A	2016	H. J. Moreno
THOMAS GORIN	Joint probability distributions for projections probabilities of random orthonormal states, ISSN: 1751-8121	Journal of Physics A: Mathematical and Theoretical	2016	
THOMAS GORIN	Measuring and using non-Markovianity, ISSN: 2469-9934	Physical Review A	2016	
THOMAS GORIN	Transition from non-Markovian to Markovian dynamics for generic environments, ISSN: 2469-9934	Physical Review A	2016	
THOMAS GORIN	Improving coherence with nested environment, ISSN: 2469-9934	Physical Review A	2015	H. J. Moreno,
THOMAS GORIN	SCATTERING APPROACH TO FIDELITY AND FIDELITY RECOVERY, ISBN: 978-0-7354-1209-5	AIP Conference Proceedings	2014	
THOMAS GORIN	SINGLE-QUBIT DECOHERENCE UNDER A SEPARABLE COUPLING TO A RANDOM MATRIX ENVIRONMENT, ISSN: 2469-9934	Physical Review A	2014	
Dr. Andrei Klimov				
ANDREI KLIMOV	Semi-Classical Discretization and Long-Time Evolution of Variable Spin Systems	Entropy 2021, 23, 684	2021	Juan Carlos Castellanos
ANDREI KLIMOV	Long-time semiclassical evolution of spinlike systems from Majorana sampling Valtierra, I.F., Klimov, A.B	Physical Review A, 2020, 102(6), 062220	2020	

ANDREI KLIMOV	Wigner function for SU(1,1)	Quantum, 2020, 4	2020	
ANDREI KLIMOV	Truncated Wigner approximation as non-positive Kraus map Klimov, A.B., Sainz, I., Romero, J.L	Physica Scripta, 2020, 95(7), 074006	2020	
ANDREI KLIMOV	Macroscopic approach to N-qudit systems Munoz, C., Sainz, I., Klimov, A.B	Journal of Physics A: Mathematical and Theoretical, 2020, 53(24), 245302	2020	
ANDREI KLIMOV	Quasiprobability currents on the sphere Valtierra, I.F., Klimov, A.B., Leuchs, G., Sánchez-Soto, L.L	Physical Review A, 2020, 101(3), 033803	2020	
ANDREI KLIMOV	Correspondence rules for Wigner functions over SU(3)/U(2) Martins, A.C.N., Klimov, A.B., De Guise, H	Journal of Physics A: Mathematical and Theoretical, 2019, 52(28), 285202	2019	
ANDREI KLIMOV	Deterministic entanglement extraction Roa, L., Muñoz, A., Muñoz, C., Klimov, A.B.	Physical Review A, 2019, 99(5), 052344	2019	
ANDREI KLIMOV	The Wigner flow on the sphere Yang, P., Valtierra, I.F., Klimov, A.B., ...Sánchez-Soto, L.L., Leuchs, G	Physica Scripta, 2019, 94(4), 044001	2019	

ANDREI KLIMOV	Picturing quantum phase transitions Muñoz, C., Gaeta, M., Gomez, R., Klimov, A.B.	Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383 (2-3), pp. 141–147	2019	
ANDREI KLIMOV	Tomography from collective measurements Muñoz, A., Klimov, A.B., Grassl, M., Sánchez-Soto, L.L	Quantum Information Processing, 2018, 1 7(10), 286	2018	
ANDREI KLIMOV	MUB tomography performance under influence of systematic errors	Physics Letters, Section A: General, Atomic and Solid State Physics	2018	
ANDREI KLIMOV	Bi-orthogonal mutually unbiased bases for N-qubit systems	Journal of Physics A: Mathematic al and Theoretical	2017	Juan J. Díaz null ,
ANDREI KLIMOV	Discrete phase- space mappings, tomographic condition and permutation invariance	Journal of Physics A: Mathematic al and Theoretical	2017	
ANDREI KLIMOV	Discrete phase- space structures and Wigner functions for N qubits	QUANTUM INFORMATI ON PROCESSIN G	2017	
ANDREI KLIMOV	Generalized SU(2) covariant Wigner functions and some of their applications	Journal of Physics A: Mathematic al and Theoretical	2017	
ANDREI KLIMOV	Optimal lossy quantum interferometry in phase space	New Joirnal of Physics	2017	

ANDREI KLIMOV	Quantum metrology at the limit with extremal Majorana constellations	OPTICA	2017	
ANDREI KLIMOV	Symplectic Symplectic to construction of cyclic and non- cyclic sets of mutually unbiased bases	Physics of Atomic Nuclei	2017	
ANDREI KLIMOV	TWA versus semiclassical unitary approximation for spin-like systems	Annals of Physics	2017	I. F. Valtierra
ANDREI KLIMOV	Correlation transfer in large- spin chains	Physical Review A	2016	I. F. Valtierra
ANDREI KLIMOV	Error estimation in the direct state tomography	EPL	2016	
ANDREI KLIMOV	Gaussianity and localization of N - qubit states	Physical Review A	2016	M. Gaeta
ANDREI KLIMOV	Parsing polarization squeezing into Fock layers	PHYSICAL REVIEW A	2016	
ANDREI KLIMOV	A MEASURE FOR MAXIMUM SIMILARITY BETWEEN OUTCOME STATES	Europhysics Letters	2015	
ANDREI KLIMOV	Classical polarization multipoles: paraxial versus nonparaxial	PHYSICA SCRIPTA	2015	
ANDREI KLIMOV	Extremal quantum states and their Majorana constellations	Physical Review A - Atomic, Molecular, and Optical Physics	2015	
ANDREI KLIMOV	Maximally entangled states of four nonbinary particles	Physical Review A - Atomic, Molecular, and Optical Physics	2015	Mario Gaeta,
ANDREI KLIMOV	Quantum tomography via nonorthogonal basis and weak values	PHYSICAL REVIEW A	2015	Diaz, J. J.;
ANDREI KLIMOV	Semiclassical dynamics of a rigid rotor: SO(3) covariant approach	New Journal of Physics	2015	

ANDREI KLIMOV	Semiclassical dynamics of the resonant Dicke model in a strongly non-linear regime	PHYSICA SCRIPTA	2015	
ANDREI KLIMOV	Semiclassical phase-space dynamics of compound quantum systems: SU(2) covariant approach	Journal of Physics A: Mathematical and Theoretical	2015	
ANDREI KLIMOV	CLASSICAL DISTINGUISHABILITY AS AN OPERATIONAL MEASURE OF POLARIZATION, ISSN 1050-2947 PRINT	Phys.Rev.A	2014	
ANDREI KLIMOV	COMPLETE SETS OF MUTUALLY UNBIASED OPERATORS IN N- QUDIT SYSTEMS, ISSN 0031-8949	PHYSICA SCRIPTA	2014	
ANDREI KLIMOV	DISCORDING POWER OF HAMILTONIAN INTERACTIONS, ISSN 1434-6060	EUROPEAN PHYSICAL JOURNAL D	2014	
ANDREI KLIMOV	DISCRETE PHASE- SPACE APPROACH TO MUTUALLY ORTHOGONAL LATIN SQUARES, PRINT ISSN: 1751-8113	J. Phys. A: Math. Theor.	2014	M. Gaeta
ANDREI KLIMOV	MACROSCOPIC FEATURES OF QUANTUM FLUCTUATIONS IN LARGE- N QUBIT SYSTEMS, ISSN 1050-2947 PRINT	Phys.Rev. A	2014	
ANDREI KLIMOV	NESTED CONSTRUCTION OF FAMILIES OF COMPLEX HADAMARD MATRICES, ISSN 1071-2836	J Rus Laser Research	2014	
ANDREI KLIMOV	QUANTUM CORRELATIONS SUPPORT PROBABILISTIC PURE STATE CLONING. ISSN: 0375-9601	Phys.Lett. A	2014	

ANDREI KLIMOV	QUANTUM-STATE TOMOGRAPHY FOR OPTICAL POLARIZATION WITH ARBITRARY PHOTON NUMBERS, ISSN 1050-2947 PRINT	Phys Rev A	2014	
ANDREI KLIMOV	UNITARILY INEQUIVALENT MUTUALLY UNBIASED BASES FOR N QUBITS, ISSN 1050-2947 PRINT	Phys.Rev.A	2014	
ANDREI KLIMOV	UNPOLARIZED STATES AND HIDDEN POLARIZATION, ISSN 1050-2947 PRINT		2014	
Dr. Alexander Nesterov				
ALEXANDER NESTEROV ILYICH	Ultrafast Quantum Relaxation Dynamics of Magnetically Ordered Systems with Spin Crossover in an Excited State under a Sudden Perturbation	JETP Letters, 2020, 112(4), pp. 250–256	2020	
ALEXANDER NESTEROV ILYICH	Dark matter spin-spin interaction through the pseudo-scalar vacuum field	Modern Physics Letters A, 2020, 35(15), 2050117	2020	
ALEXANDER NESTEROV ILYICH	Complex networks in the framework of nonassociative geometry	Physical Review E, 2020, 101(3), 032302	2020	Mata Villafuerte P. H.
ALEXANDER NESTEROV ILYICH	Modeling of noise-assisted quantum transfer between donor and acceptor with finite bandwidths	Journal of Physics A: Mathematical and Theoretical, 2019, 52(43), 435601	2019	

ALEXANDER NESTEROV ILYICH	How nonassociative geometry describes a discrete spacetime	Frontiers in Physics, 2019, 7(MAR), 32	2019	Mata H.
ALEXANDER NESTEROV ILYICH	Effect of the Interatomic Exchange Interaction on the Magnetic Phase Transitions in Spin Crossover Systems under High-Pressure	Physics of the Solid State, 2018, 60(6), pp. 1177–1179	2018	
ALEXANDER NESTEROV ILYICH	Production of Entanglement Entropy by Decoherence	Open Systems and Information Dynamics, 2018, 25(1), 1850001	2018	
ALEXANDER NESTEROV ILYICH	Cooperative phenomena in spin crossover systems	Physical Review B 24699969	2017	
ALEXANDER NESTEROV ILYICH	Magnetic and structural phase transitions in systems with spin crossover under pressure	JETP Letters	2017	
ALEXANDER NESTEROV ILYICH	Multi-scale exciton and electron transfer in multi-level donor-acceptor systems	Journal of Physics A: Mathematical and Theoretical	2017	
ALEXANDER NESTEROV ILYICH	Possible role of interference, protein noise, and sink effects in nonphotochemical quenching in photosynthetic complexes	Journal of Mathematical Biology 14321416	2017	
ALEXANDER NESTEROV ILYICH	Dynamical model of the kinesin protein motor	arXiv: 1604.08652	2016	
ALEXANDER NESTEROV ILYICH	Dynamics of a chlorophyll dimer in collective and local thermal environments	Journal of Mathematical Chemistry	2016	
ALEXANDER NESTEROV ILYICH	Nonlinear Dynamics of Dipoles in Microtubules: Pseudo-Spin Model	Physical Review E	2016	

ALEXANDER NESTEROV ILYICH	DECOHERENCE AND SPIN ECHO IN BIOLOGICAL SYSTEMS ISSN: 1539-3755	PHYSICAL REVIEW E	2015	
ALEXANDER NESTEROV ILYICH	ROLE OF PROTEIN FLUCTUATION CORRELATIONS IN ELECTRON TRANSFER IN PHOTOSYNTHETI C COMPLEXES	PHYSICAL REVIEW E	2015	
ALEXANDER NESTEROV ILYICH	Superradiance Transition and Nonphotochemical Quenching in Photosynthetic Complexes, ISSN: 1932-7447	J. Phys. Chem. C	2015	
ALEXANDER NESTEROV ILYICH	Superradiance transition in graphene	Physics Letters A	2015	
ALEXANDER NESTEROV ILYICH	Noise-assisted quantum electron transfer in multi- level donor- acceptor system	arXiv: 1404.7816	2014	
ALEXANDER NESTEROV ILYICH	NON-HERMITIAN QUANTUM ANNEALING IN THE ANTIFERROMAGNETIC ISING CHAIN ISSN	Quantum Information Processing	2014	

Profesores externos al programa

Profesor externo del NAB	Estudiantes asociados a cada profesor desde 2015 al 2021 como director, co-director y tutor		
	Director	Co-director	Tutor

Dr. Martín Antonio Guerrero Rocel (Instituto de Astrofísica de Andalucía)		Santamaria Dominguez Edgar Ivan	
Dr. Fermin Aceves de la Cruz		Aceves Jurado Cynthia Sarai	
Dr. Oscar Blanco Alonso (Departamento Física U de G)	Rodriguez Garcia Carlos Alberto		
Dr. Marcelino Arciniega Castro (IFC-UNAM)	Chavez Rojas Daniel		
Dr. Werner Kühlbrandt (Instituto de Biofísica Max Planck)	Ornelas Silva Pamela Patricia		
Dra Claudia Moreno González (Departamento Física U de G)		Rodriguez Soto Ramon Daniel	
Dr. Martín Guadalupe Zapata Torres (CICATA Legaria IPN)		Moreno Close Eric Rolando	
Dr. Victor Hugo Romero (Cu Tonalá U de G)		Blancas Flores Jose Miguel	
Dr. Roberto Vazquez Meza (IA-UNAM)		Rubio Gonzalez Gabriel Marcelo	
Dr. José Edgar Madriz Aguilar (Departamento Física U de G)		Montes Navarro Mariana Sarahi	
Dra. Rosa Martha Torres López (Cu Tonalá U de G)		Torres Cortez Omar Rafael	