Es este documento se encuentran las tablas de productividad en el periodo 2017-2021 de los alumnos de la Maestría en Tecnología Avanzada.

subdividida por: 1) artículos, 2) Capítulos Libros Alumnos-Profesores, 3Asistencia a congresos de los Alumnos, 4) Propiedad Intelectual y 5) Informes técnicos.

1. Artículos

	Estudiante	Profesor	Título	Revista	Número	Volumen	Año
			PSSD				
1	Ingrith Yuritsa Paez Pidiache	Alberto Luviano Juarez	Caracteriza ción de las SMAs y sus aplicaciones: Una revisión	Pädi Boletín Científic o de Ciencias Básicas e Ingenierí as del ICBI	16	8	2021
2	Karla Rincon Martinez	Alberto Luviano Juarez	Output feedback robust disturbance rejection tracking control design for a bipedal robotic system with articulation constraints	Proceedi ngs of the Institutio n of Mechanic al Engineer s, Part I: Journal of Systems and Control Engineeri ng	Prensa	prensa	2021
3	Gustavo Hernandez Melgarejo	Alberto Luviano Juarez	Mechatroni c Design and Implement ation of a Bicycle Virtual Reality System	ISA Transacti ons	NA	97	2020
4	Hugo Luis Serrano Molina	Alberto Luviano Juarez	Composite active disturbance rejection robust control for a prototype of an active damping artificial ankle prosthesis	Asian Journal Of Control	2	22	2020
5	Luis Ángel Castañeda Briones	Alberto Luviano Juarez	Mechatroni c Design and Implement ation of a Bicycle Virtual Reality System	ISA Transacti ons	NA	97	2020
6	Luis Ángel Castañeda Briones	Alberto Luviano Juarez	Output based bilateral adaptive control of partially known robotic systems	Control Engineeri ng Practice	NA	98	2020
7	Luis Ángel Castañeda Briones	Alberto Luviano Juarez	Tracking control of tomographi c image acquisition robotic system based on active disturbance rejection theory with adaptive gains	Proceedi ngs of the Institutio n of Mechanic al Engineer s, Part I: Journal of Systems and Control Engineeri ng	1	234	2020

8	Marco Antonio Sandoval Chileño	Alberto Luviano Juarez	Robust State of Charge estimation for LiNiMnCoO 2 batteries based on Extended State, Observers,	Journal of Energy Storage	NA	31	2020
9	Pamela Patricia Vera Tizatl	Alberto Luviano Juarez	Tracking control of tomographi c image acquisition robotic system based on active disturbance rejection theory with adaptive gains	Proceedi ngs of the Institutio n of Mechanic al Engineer s, Part I: Journal of Systems and Control Engineeri ng	1	234	2020
10	Sergio Isai Palomino Reséndiz	Alberto Luviano Juarez	Mechatroni c Design and Implement ation of a Bicycle Virtual Reality System	ISA Transactions	NA	97	2020
11	David Cruz Ortiz	Alberto Luviano Juarez	Output Second- order Sliding- mode Control for a Gecko Biomimetic Climbing Robot	Journal of Bionic Engineeri ng	4	16	2019
12	Mariana Felisa Ballestero S Escamilla	Alberto Luviano Juarez	Adaptive output control of a mobile manipulato r hanging from a quadcopter unmanned vehicle	ISA Transacti ons	NA	94	2019
13	Sergio Isai Palomino Resendiz	Alberto Luviano Juarez	A heuristic approach for tracking error and energy consumpti on minimizati on in solar tracking systems	IEEE Access	1	7	2019
14	Sergio Isai Palomino Resendiz	Alberto Luviano Juarez	Highprecisi on luminosity sensor for solar application s	IEEE Sensors	24	19	2019
15	Yair Lozano Hernández	Alberto Luviano Juarez	Control algorithm for taking off and landing manoeuvre s of quadrotors in open navigation environme nts	Internati onal Journal of Control, Automati on and Systems	7	17	2019
16	Jose Eduardo Amaya Cruz	Alberto Luviano Juarez	Design and constructio n of a robotic platform for 3D reconstruct ion through an embedded processing system	IEEE Latin America Transacti ons	1	16	2018
17	Ricardo Alan Cortez Vega	Alberto Luviano Juarez	A hybrid dynamic model of shape memory alloy spring actuators	Measure ment	No aplica	114	2018
18	Sergio Isai Palomino Resendiz	Alberto Luviano Juarez	Design strategy for low-power consumpti on in solar trackers	14th Internati onal Conferen ce on Concentr ator Photovolt aics			2018

19	Sergio Isai Palomino Resendiz	Alberto Luviano Juarez	Design and implement ation of a robotic active solar distiller based on a Fresnel concentrat or and a photovoltai c system	Energy Conversi on and Manage ment	No aplica	166	2018
20	Marlon Cruz Pegueros	Alberto Luviano Juarez	Modeling and control of a magnetic levitation system based on active magnetic bearing	Nova Scientia	19	9	2017
21	César Fabián Reyes Manzano	Israel Reyes Ramirez	Drugs, Active Ingredients and Diseases Database in Spanish. Augmentin g the Resources for Analyses on DrugIllness Interaction s	Data	6	1	2021
22	Irene Lopez Rodriguez	Israel Reyes Ramirez	Drugs, Active Ingredients and Diseases Database in Spanish. Augmentin g the Resources for Analyses on DrugIllness Interaction s	Data	6	1	2021
23	Tania Jetzabel Contreras Uribe	Israel Reyes Ramirez	Drugs, Active Ingredients and Diseases Database in Spanish. Augmentin g the Resources for Analyses on DrugIllness Interaction s	Data	6	1	2021
25	César Fabián Reyes Manzano	Lev Guzman Vargas	Comparing phonologic al and orthograph ic networks: A multiplex analysis	Plosone	2	16	2021
26	César Fabián Reyes Manzano	Lev Guzman Vargas	Drugs, Active Ingredients and Diseases Database in Spanish. Augmentin g the Resources for Analyses on DrugIllness Interactions	Data	1	6	2021
27	Irene Lopez Rodriguez	Lev Guzman Vargas	Comparing phonologic al and orthograph ic networks: A multiplex analysis	Plosone	2	16	2021
28	Irene Lopez Rodriguez	Lev Guzman Vargas	Drugs, Active Ingredients and Diseases Database in Spanish. Augmentin g the Resources for Analyses on DrugIllness Interaction s	Data	1	6	2021
29	César Fabián Reyes Manzano	Lev Guzman Vargas	Network- based features for retinal fundus vessel structure analysis	Plosone	14	7	2019

30	Daniel Aguilar Velázquez	Lev Guzman Vargas	Critical synchroniz ation and 1/f noise in inhibitory/ excitatory rich-club neural networks	SCIENTIFI C REPORTS	0	9	2019
31	Daniel Aguilar Velázquez	Lev Guzman Vargas	Recurrence Networks in Natural Languages	Entropy	21	5	2019
32	César Fabián Reyes Manzano	Lev Guzman Vargas	Multifractal Analysis Reveals Decreased Non-linearity and Stronger Anticorrelat ions in Heart Period Fluctuation s of Fibromyalgi a Patients	Frontiers in Physiolo gy	111 8	9	2018
33	Sergio Isai Palomino Resendiz	Lev Guzman Vargas	Design and implement ation of a robotic active solar distiller based on a Fresnel concentrat or and a photovoltai c system	Energy Conversi on and Manage ment	0	166	2018
34	Daniel Aguilar Velázquez	Lev Guzman Vargas	Synchroniz ation and 1/f signals in interacting small- world networks	Chaos, Solitons and Fractals	0	104	2017
35	Daniel Aguilar Velázquez	Lev Guzman Vargas	comparativ e study of power law scaling in large word- length sequences	Journal of Physics: Conf Ser		792	2017
36	Jorge Ariel Quezada Gonzalez	Lev Guzman Vargas	comparativ e study of power law scaling in large word- length sequences	Journal of Physics: Conf Ser		792	2017
37	Tania Jetzabel Contreras Uribe	Lev Guzman Vargas	comparativ e study of power law scaling in large word- length sequences	Journal of Physics: Conf Ser		792	2017
38	José Alejandro Aguirre Anaya	Oscar Octavio Gutierrez Frias	Optimizatio n of a Passive Parallelogra m Suspension System for a Planetary Rover using Differential Evolution	IEEE LATIN AMERICA TRANSA CTIONS	8	19	2021
39	José Alejandro Aguirre Anaya	Oscar Octavio Gutierrez Frias	Nested Saturation Function Control of a Magnetic Levitation System	Complex ity	No aplica	2020	2020
40	Luis Ángel Castañeda Briones	Oscar Octavio Gutierrez Frias	Robust State of Charge estimation for Li-ion batteries based on Extended State Observers	Journal of Energy Storage	No aplica	31	2020
41	Marco Antonio Sandoval Chileño	Oscar Octavio Gutierrez Frias	Robust State of Charge estimation for Li-ion batteries based on Extended State Observers	Journal of Energy Storage	No aplica	31	2020
42	Ricardo Yahir Almazan Arvizu	Oscar Octavio Gutierrez Frias	Control PI difuso de un sistema de levitación magnética mediante un sistema embebido	Ingenierí a Investiga ción y Tecnolog ía	4	XX	2019

43	Sergio Isai Palomino Resendiz	Oscar Octavio Gutierrez Frias	A Heuristic Approach for Tracking Error and Energy Consumpti on Minimizatio n in Solar Tracking Systems	IEEE Access	No aplica	7	2019
44	Yair Lozano Hernández	Oscar Octavio Gutierrez Frias	Control Algorithm for Taking off and Landing Manoeuvre s of Quadrotors in Open Navigation Environme nts	Internati onal Journal of Control, Automati on and Systems	17	9	2019
45	Yair Lozano Hernández	Oscar Octavio Gutierrez Frias	Control PI difuso de un sistema de levitación magnética mediante un sistema embebido	Ingenierí a Investiga ción y Tecnolog ía	4	XX	2019
46	Jose Eduardo Amaya Cruz	Oscar Octavio Gutierrez Frias	Design and constructio n of a robotic platform for 3D reconstruction through an embedded processing system	IEEE Latin America Transacti ons	1	16	2018
47	Marlon Cruz Pegueros	Oscar Octavio Gutierrez Frias	Modelado y control de un sistema de levitación magnética basado en un cojinete magnético activo	Nova Scientia	19	19	2017
CIMDR							
1	Luis Alonso Santana Dorantes	Aaron Israel Diaz Cano	Schottky barrier diodes fabricated with metal oxides AgOx/IGZO	Microelectronic Engineering	220	2	2020
2	Miguel Angel Gómez Alvarez	Aaron Israel Diaz Cano	A Comparative Study of the ZnO Growth on Graphene and Graphene Oxide: The Role of the Initial Oxidation State of Carbon	journal on carbon research	2	6	2020
3	César Raymundo González Vargas	Aaron Israel Diaz Cano	Optical properties of amine- functionali zed graphene oxide	Applied Nanoscience	No aplica	No aplica	2019
4	Jesús Antonio Fuentes García	Aaron Israel Diaz Cano	Optical properties of amine- functionali zed graphene oxide	Applied Nanoscience	No aplica	No aplica	2019
5	Jesús Antonio Fuentes García	Aaron Israel Diaz Cano	Sonochemi cal magnetite encapsulati on in silica at low irradiation power	Materials Letters	1	250	2019
6	Miguel Angel Gómez Alvarez	Aaron Israel Diaz Cano	APPLICATIO N OF ZnO SCHOTTKY DIODES IN RECTIFIER CIRCUITS FOR IMPLEMENT ATION IN ENERGY HARVESTING	Digest Journal of Nanomaterials and Biostructures	1	14	2019
7	Xochitl Andrea Hernandez Contreras	Aaron Israel Diaz Cano	Optical properties of amine- functionali zed	Applied Nanoscience	No aplica	No aplica	2019

			graphene oxide				
8	Yosemik Arjuna León Nataret	Aaron Israel Diaz Cano	APPLICATIO N OF ZnO SCHOTTKY DIODES IN RECTIFIER CIRCUITS FOR IMPLEMENT ATION IN ENERGY HARVESTIN G	Digest Journal of Nanomat erials and Biostruct ures	1	14	2019
9	Isis Chetzyl Ballardo Rodríguez	Aaron Israel Diaz Cano	Impact of Substrate Types on Structure and Emission of ZnO Nanocrystal line Films	JOURNAL OF ELECTRO NIC MATERIA LS	8	47	2018
10	Isis Chetzyl Ballardo Rodríguez	Aaron Israel Diaz Cano	Luminesce nce, structure and aging c-axis - Oriented silver doped ZnO nanocrystal line films	MATERIA LS SCIENCE IN SEMICON DUCTOR PROCESSI NG	No Aplica	79	2018
11	Jesús Antonio Fuentes García	Aaron Israel Diaz Cano	Magnetic domain interaction s of Fe3O4 nanoparticl es embedded in a SiO2 matrix	SCIENTIFIC REPORTS	No aplica	8	2018
12	Victor Manuel Flores Sanchez	Aaron Israel Diaz Cano	CHARACTE RIZATION OF VERTICALL Y ALIGNED ZINC OXIDE NANORODS VIA A RAPID MICROWAV E-ASSISTED HYDROTHE RMAL SYNTHESIS PROCESS	Digest Journal of Nanomaterials and Biostructures	3	12	2017
13	Jose Manuel Garcia Rangel	Issis Claudette Romero Ibarra	Strong texture tuning along different crystalline directions in glass-supported CeO2 thin films by ultrasonic spray pyrolysis.	Scientific Reports	2006	11	2021
14	Ricardo Ivan Rodriguez Ramirez	Issis Claudette Romero Ibarra	Synthesis of sodium zincsilicate (Na<inf>2 </inf>ZnSi O<inf>4</ inf>) and heterogene ous catalysis towards biodiesel production via Box-Behnken design	Fuel	118 668	280	2020
15	Gabriela Elizabeth Mijangos Zúñiga	Issis Claudette Romero Ibarra	In-situ transesterif ication of Jatropha curcas L. seeds using homogene ous and heterogene ous basic catalysts	Fuel	235	235	2019
16	Gabriela Elizabeth Mijangos Zúñiga	Issis Claudette Romero Ibarra	A novel green one- pot synthesis of biodiesel from Ricinus communis seeds by basic heterogene ous catalysis	Journal of Cleaner Production	196	196	2018

17	Isaac Izcoatl Mota Díaz	Janna Douda	Photolumin escent properties of liposome-encapsulat ed amine functionali zed nanodiamo nds	Nano Express	1	1	2020
18	Xochitl Andrea Hernandez Contreras	Janna Douda	Photolumin escent properties of liposome-encapsulat ed amine functionali zed nanodiamo nds	Nano Express	1	1	2020
19	Xochitl Andrea Hernandez Contreras	Janna Douda	Optical properties of amine- functionali zed graphene oxide	Applied Nanoscience	4	9	2019
20	César Raymundo González Vargas	Janna Douda	Modificatio ns of the optical properties of quantum dots on liposome encapsulati on for application s in theranostic liposomes	Applied Nanoscie nce	9	5	2018
21	Laura Gabriela Miranda Calderón	Janna Douda	Synthesis and characteriz ation of II- VI (CdSe) quantum dot encapsulat ed liposomes	Journal of Materials Science: Materials in Electroni cs	28	19	2018
22	Xochitl Andrea Hernandez Contreras	José Luis Casas Espínola	Unraveling amazing structural features of a highly efficient ¿oxo- Co/phosph ate¿ catalyst for water oxidation	Applied Catalysis B: Environm ental	No aplica	282	2021
23	Jorge Luis Ramírez García	José Luis Casas Espínola	Emission, Er ion defects and structure of ZnO nanocrystal films prepared by ultrasonic spray pyrolysis	Materials Science in Semicon ductor Processi ng	No aplica	96	2019
24	Xochitl Andrea Hernandez Contreras	José Luis Casas Espínola	Effect of dielectric constant on emission of CdSe quantum dots	Journal of Materials Science: Materials in Electroni cs	10	28	2017
25	Jose Manuel Garcia Rangel	Mario Fidel García Sánchez	Strong texture tuning along different crystalline directions in glass-supported CeO2 thin films by ultrasonic spray pyrolysis.	Scientific Reports	0	11	2021
26	Ismael Ponce Rosas	Mario Fidel García Sánchez	Visible Emission on Nanostruct ured CeO<inf>2 </inf> Thin Films Obtained by Spray	Physica Status Solidi (A) Applicati ons and Materials Science	22	217	2020

			Pyrolysis				
27	Angel Leonardo Martinez Lopez	Yenny Lucero Casallas Moreno	Effect of the Sb content and the n¿ and p¿GaSb (100) substrates on the physical and chemical properties of InSb<inf>x </inf>As<i nf>1- x</inf> alloys for mid- infrared application s: Analysis of surface, bulk and interface	Journal of Alloys and Compou nds	N.A.	861	2021
FEyCMC							
1	Rubén Razo Chávez	Sara Guadalupe Cruz Y Cruz	Coherent states for exactly solvable time- dependent oscillators generated by Darboux transforma tions	Physica Scripta	4	95	2020
2	Carlos Santiago Cruz	Sara Guadalupe Cruz Y Cruz	Position dependent mass Scarf Hamiltonia ns generated via the Riccati equation	Mathema tical Methods in the Applied Sciences	15	42	2019
3	Damian Jacinto Mendez	Sara Guadalupe Cruz Y Cruz	Static structure of sodium polystyrene sulfonate solutions obtained through a coarse- grained model	Molecular Physics	17	116	2018
4	Zulema Gress Mendoza	Sara Guadalupe Cruz Y Cruz	Group approach to the paraxial propagatio n of HermiteGa ussian modes in a parabolic medium	Annals of Physics	NA	383	2017

2. Capítulos Libros Alumnos-Profesores

	Estudiante	Profesor	Capitulo	Libro	Editorial	Pág.	ISBN	Año
FEyCMC								
1	Zulema Gress Mendoza	Sara Guadalupe Cruz y Cruz	LaguerreGaussianWave Propagation in Parabolic Media	LaguerreGaussianWave Propagation in Parabolic Media	Birkhäus er	117 a 128	2297 0215	2020
2	Zulema Gress Mendoza	Sara Guadalupe Cruz y Cruz	Hermite Coherent States for Quadratic Refractive Index Optical Media	Integrability, Supersymmetry and Coherent States	Springer	323 a 339	978-3-030-20086-	2019

3. Congresos Alumnos

	Estudiante	Profesor	Trabajo	Congreso	Participación	País	Año
PSSD							
1	Karla Rincon Martinez	Alberto Luviano Juarez	Trajectory tracking disturbance rejection controller for a state constrained biped robot	4th International Conference on Control, Decision and Information Technologies (CoDIT)	Presentación de artículo en extenso	Spain	2017
2	Yair Lozano Hernández	Oscar Octavio Gutierrez Frias	Modeling and Control of a Two DOF Helicopter with Tail Rotor Disturbances	2020 International Conference on Mechatronics, Electronics and Automotive Engineering (ICMEAE)	Presentación de artículo en extenso	México	2020
3	Ricardo Yahir Almazan Arvizu	Oscar Octavio Gutierrez Frias	Control de un sistema aerodeslizador mediante una etapa de generación de trayectoria.	XVIII congreso nacional de ingeniería electromecánica y de sistemas (cnies 2019)	Presentación de artículo en extenso	México	2019
4	Yair Lozano Hernández	Oscar Octavio Gutierrez Frias	Control de un sistema aerodeslizador mediante una etapa de generación de trayectoria.	XVIII congreso nacional de ingeniería electromecánica y de sistemas (cnies 2019)	Presentación de artículo en extenso	México	2019
5	Victor Gabriel Sanchez Meza	Oscar Octavio Gutierrez Frias	Modeling and Control of a Two DOF Helicopter with Tail Rotor Disturbances	2020 International Conference on Mechatronics, Electronics and Automotive Engineering	Presentación de artículo en extenso	México	2020

				(ICMEAE)			
	Rolando Hernández Guerrero	Laura Ivoone Garay Jiménez	System for monitoring fingerprint force	Congreso Internacional en Ciencias de la Computación, CORE 2020		México	2020
	Rosario Ríos Prado	Blanca Tovar Corona	Feature Extraction and Classification of Heart Sounds Signals Based on Time-Dependent Entropy and Spectral Entropy Estimation	Computing in Cardiology 2020		Italia	2020
	Luis Brayan Zacatelco Barrios	Blanca Tovar Corona	Wearable para monitoreo de ritmo cardíaco y de actividad electrodérmica	CONGRESO INTERNACIONAL EN CIENCIAS DE LA COMPUTACIÓN CORE 2020		México	2020
	Francisco Carrillo Brenes	Miguel Félix Mata Rivera		GIS LATAM 2020		México	2020
CIMDR							
1	Rebeca Jiménez Rodríguez	Janna Douda	Sonochemical magnetite encapsulation in silica at low irradiation power	IMRC XXVIII	Póster	MÉXICO	
2	Isaac Izcoatl Mota Díaz	Janna Douda	Co-encapsulation of the Quantum dots and anti-tuberculosis drugs in theranostic liposomes	IMRC XXVIII	Póster	MÉXICO	2019
3	Jesús Antonio Fuentes García	Janna Douda	Sonochemical magnetite	IMRC XXVIII	Póster	MÉXICO	2019

			encapsulation in silica at low irradiation power				
4	Rebeca Jiménez Rodríguez	Janna Douda	Co-encapsulation of the Quantum dots and anti-tuberculosis drugs in theranostic liposomes	IMRC XXVIII	Póster	MÉXICO	2019
5	Juan Jose Lopez Hernandez	José Luis Casas Espínola	Photolumines cence Trend in Carbon Quantum Dots	Advances in Functional Materials Conference 2019	Ponencia	UNITED STATE S OF AMERICA	2019
6	Juan Jose Lopez Hernandez	José Luis Casas Espínola	ELECTROC HEMICAL SYNTHESIS OF CARBON NANODOTS AND THEIR PHOTOLUM INESCENCE PROPERTY IN DEPENDEN CE OF DIELECTRI C CONSTANT	XXVIII International Materials Research Congress	Póster	MÉXICO	2019
7	Xochitl Andrea Hernandez Contreras	José Luis Casas Espínola	Photolumines cence study of ZnO nanocrystals obtained by colloidal-route	XXVI International Materials Research Congress	Póster	MÉXICO	2017
8	Angeles Dennis Rivero Chavez	José Luis Casas Espínola	Optical properties of InAs quantum dots embedded in InGaAs/AlGa As/GaAs structures with different capping layers	X International Congress Of Physics Engineering	Ponencia	MÉXICO	2020

9	Diana Patricia Hernández Sánchez	Aarón Israel Díaz Cano		2do Congreso Internacional de NanoBioingeniería (CINBI 2020) / Taller: “Theoretical-Practical workshop on genetic editing using CRISPR / Cas9”	Asistencia	México	2020
10	Diana Patricia Hernández Sánchez	Aarón Israel Díaz Cano		8vo. Congreso de Nanociencias y Nanotecnología Nanocytec 2020	Asistencia	México	2020
11	Angel Leonardo Martínez López	Yenny Lucero Casallas Moreno		XIII International Conference on Surfaces, Materials and Vacuum	Asistencia	México	2020
12	Eric Fernando Vázquez Vázquez	Issis Claudette Romero Ibarra		2020 Express Conference on the Physics of Materials and its application in Energy and Environment	Asistencia	México	2020
913	Eric Fernando Vázquez Vázquez	Issis Claudette Romero Ibarra		XIII International Conference on Surfaces, Materials and Vacuum	Asistencia	México	2020
14	Daniel Flores Ramírez	Yenny Lucero Casallas Moreno		XIII International Conference on Surfaces, Materials and Vacuum	Asistencia	México	2020
1	Gerardo Jimenez Trejo	Sara Guadalupe Cruz y Cruz		QUANTUM Fest 2019	Asistencia	México	2019

4. Propiedad Intelectual

#	Autor	Título del registro	Tipo de patente	Año de solicitud	País	Estatus de la patente
1	YAIR LOZANO HERNÁNDEZ	Modelo industrial de plataforma para vehículo aéreo no tripulado	Patentes y modelos de utilidad	2019	México	Dictamen de conclusión - concesión
2	JULIO ALBERTO MENDOZA MENDOZA	Junta roto-traslacional, cople o acoplamiento rototrans	Patente como invención	2018	México	En proceso
3	JULIO ALBERTO MENDOZA MENDOZA	Intercambiador automatico de herramientas basado en broquero	Tratado de cooperación en materia de patentes PCT	2018	México	En proceso
4	JULIO ALBERTO MENDOZA MENDOZA	Intercambiador de helices, propelas o motores para aeronaves y embarcaciones	Tratado de cooperación en materia de patentes PCT	2018	México	En proceso
5	CÉSAR RAYMUNDO GONZÁLEZ VARGAS	FORMULACIÓN A BASE DE LIPOSOMAS PARA EL ENCAPSULAMIENTO DE METOPROLOL	Diseño industrial	2017	México	En proceso
6	JULIO ALBERTO MENDOZA MENDOZA	Vehiculo transformable entre helicoptero y aerobrazo o viceversa, basado en multirrotores o turbinas	Patente como invención	2016	México	En proceso
7	JULIO ALBERTO MENDOZA MENDOZA	Aerotorso	Patente como invención	2015	México	Dictamen de conclusión - concesión
8	CÉSAR FABIÁN REYES MANZANO	SISTEMA MÓVIL PARA LA ADQUISICIÓN DE SEÑAL EEG ASISTIDO CON REALIDAD AUMENTADA	Patente como invención	2015-2018	México	Dictamen de conclusión - concesión

5. Informes técnicos

#	Autor	Titulo	Institución a la que se presenta el reporte	Año de entrega	Origen del reporte
1	ANGEL LEONARDO MARTINEZ LOPEZ	Construcción y evaluación eléctrica detransistor efecto de campo base Grafeno (GFET)	INSTITUTO POLITECNICO NACIONAL	2019	Actividad académica
2	INGRITH YURITSA PAEZ PIDIACHE	Diseño y construcción de una protésis de mano actuada por aleaciones con memoriade Forma (SMA)	INSTITUTO POLITECNICO NACIONAL	2019	Actividad académica
3	CARLOS ALBERTO RAMÍREZ FUENTES	UN ANÁLISIS MULTISEÑAL PARA LA DETECCIÓN DE EVENTOS PRECURSORES DE CRISIS EPILÉPTICAS	INSTITUTO POLITECNICO NACIONAL	2018	Actividad académica
4	CARLOS ALBERTO RAMÍREZ FUENTES	UN ANÁLISIS MULTISEÑAL PARA LA DETECCIÓN DE EVENTOS PRECURSORES DE CRISIS EPILÉPTICAS	INSTITUTO POLITECNICO NACIONAL	2018	Actividad académica
5	CARLOS ALBERTO RAMÍREZ FUENTES	UN ANÁLISIS MULTISEÑAL PARA LA DETECCIÓN DE EVENTOS PRECURSORESDE CRISIS EPILÉPTICAS	INSTITUTO POLITECNICO NACIONAL	2017	Actividad académica
6	CARLOS ALBERTO RAMÍREZ FUENTES	IMPLEMENTACIÓN DE LA EXTRACCIÓN AUTOMÁTICA DE INFORMACIÓN CLÍNICA Y PARACLÍNICA RELEVANTE DEL EXPEDIENTE MÉDICO PARA LA BÚSQUEDA DE PATRONES PRECURSORES A EVENTOS EPILÉPTICOS.	INSTITUTO POLITECNICO NACIONAL	2015	Actividad tecnológica
7	CARLOS ALBERTO RAMÍREZ FUENTES	ESTUDIO DE LA SEÑAL EEG PARA LA IDENTIFICACIÓN DE PATRONES PRECURSORES DE ATAQUES EPILÉPTICOS	INSTITUTO POLITECNICO NACIONAL	2015	Actividad académica
8	CARLOS ALBERTO RAMÍREZ FUENTES	ESTUDIO DE LA SEÑAL EEG PARA LA IDENTIFICACIÓN DE PATRONES PRECURSORES DE ATAQUES EPILÉPTICOS	INSTITUTO POLITECNICO NACIONAL	2014	Actividad académica
9	CARLOS ALBERTO RAMÍREZ FUENTES	ESTUDIO DE LA SEÑAL EEG PARA LA IDENTIFICACIÓN DE PATRONES PRECURSORES DE ATAQUES EPILÉPTICOS	INSTITUTO POLITECNICO NACIONAL	2013	Actividad académica