



## Ejemplos de productos de investigación obtenidos de las LGAC

### Ingeniería de materiales

Tipo de artículo	Año	Nombre del Artículo	Publicado en	Origen del dato
Revistas Indizadas	2019	Effects of Mg incorporation in cubic GaN films grown by PAMBE near Ga	Materials Science in Semiconductor Processing	MIIC
Revistas Indizadas	2019	Synthesis and characterization of SnO <sub>2</sub> /graphene transparent conducting films	Proceedings of SPIE	MIIC
Revistas Indizadas	2019	Effects of the applied power on the properties of RF-sputtered CdTe films	Materials Research Express	MIIC
Revistas Indizadas	2018	Determination of non-linear optical properties of TiO <sub>2</sub> nanoparticles functionalized with an azo-triphenylmethane dye using the z-scan technique	Latin America Optics and Photonics Conference, OSA Technical Digest (Optical Society of America, 2018)	MIIC
Revistas Indizadas	2015	Raman scattering from Ge <sub>1-x</sub> Sn <sub>x</sub> (x $\in$ 0:14) alloys	Revista Mexicana de Física	MIIC
Revistas Indizadas	2015	LUMINESCENCE FROM ASCORBATE-STABILIZED ER <sub>2</sub> O <sub>3</sub> NANOPARTICLES	PHOTONICS LETTERS OF POLAND	MIIC
Revistas Indizadas	2015	Properties of Er <sub>2</sub> O <sub>3</sub> nanoparticles synthesized by a modified	Revista Mexicana de Física	MIIC
Revistas Indizadas	2020	Effect of Al <sup>3+</sup> doping concentration and film thickness of ZnO nanoparticles over TiO <sub>2</sub> photoelectrode in CdS quantum dots sensitized solar cells	Solar Energy	MIIC
Revistas Indizadas	2020	Macro-porous silica films embedding TiO <sub>2</sub> nanoparticles and Rhodamine 6G for photocatalysis applications	Materials Research Express	MIIC
Revistas Indizadas	2020	Hydroxyapatite nanoparticles characterization in fluoride adsorption and regeneration study	Advances in Nano Research, An International Journal	MIIC
Revistas	2020	Study of the effect of the	Nanotechnology	MIIC



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Indizadas		parameters O/W in the process of insulin nanoencapsulation by emulsion triple		
Revistas Indizadas	2019	Synthesis and characterization of SnO <sub>2</sub> /Graphene transparent conducting films	Procc. of Spie	MIIC
Revistas Indizadas	2016	CO and CO <sub>2</sub> gas sensing properties of BaCoO <sub>3</sub> nanowires prepared by a microwave assisted colloidal method	Sensors and Actuators B: Chemical	MIIC
Revistas Indizadas	2020	ACETYLACETONATE HYDROUS ZIRCONIUM(IV) COMPLEXES SUPPORTED ON HYDROPHILIC POLYMERS AS NEW SELECTIVE GROWTH PRECURSORS OF MONOCLINIC AND TETRAGONAL ZIRCONIUM OXIDE NANOCRYSTALS	Digest Journal of Nanomaterials and Biostructures	MIIC
Revistas Indizadas	2019	Nonlinear optical properties of "star type" triazotriphenylmethane dyes	Proc. SPIE 10902, Nonlinear Frequency Generation and Conversion: Materials and Devices XVIII	MIIC
Revistas Indizadas	2016	Macrocycles in sol-gel matrix: nonlinear optical characterization	Nanophotonic Materials XIII	MIIC
Revistas Indizadas	2019	Variability and composition of calcium oxalate crystals in embryos-seedlings-adult plants of the globose cacti Mammillaria uncinata	Micron	MIIC
Revistas Indizadas	2017	Anatomic and phytochemical characters of the stem and root of Mammillaria uncinata (Cactaceae)	ACTA BOTANICA MEXICANA	MIIC
Revistas Indizadas	2017	Insight on the mechanism of molecular catalysis of CO <sub>2</sub> reduction with Fe(II)-polypyridine complexes	Electrochimica Acta	MIIC
Revistas Indizadas	2015	The Role of the pi Acceptor Character of Polypyridine Ligands on the Electrochemical Response of Co(II) Complexes and its	JOURNAL OF THE MEXICAN CHEMICAL SOCIETY	MIIC



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		Effect on the Homogenous Electron Transfer Rate Constant with the Enzyme Glucose Oxidase		
Revistas Indizadas	2020	Effect of Al <sup>3+</sup> doping concentration and film thickness of ZnO nanoparticles over the TiO <sub>2</sub> Photoelectrode in CdS Quantum Dots Sensitized Solar Cells	Solar Energy	MIIC
Revistas Indizadas	2020	Photoconversion efficiency of Titania solar cells co-sensitized with natural pigments from cochineal, papaya peel and microalga <i>Scenedesmus obliquus</i>	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	MIIC
Revistas Indizadas	2020	Increase the Quantum Dots Sensitized TiO <sub>2</sub> Solar Cell Efficiency Adding n%Yb <sup>3+</sup> -1%Er <sup>3+</sup> Doped NaYF <sub>4</sub> : Submicrometer-Sized Rods	IEEE Journal of photovoltaics	MIIC
Revistas Indizadas	2019	Co-sensitized TiO <sub>2</sub> electrodes with different quantum dots for enhanced hydrogen evolution in photoelectrochemical cells	Journal of Applied Electrochemistry	MIIC
Revistas Indizadas	2019	Study of inverted planar CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells fabricated under environmental conditions	SOLAR ENERGY	MIIC
Revistas Indizadas	2017	Operating Mechanisms of Mesoscopic Perovskite Solar Cells through Impedance Spectroscopy and J-V Modeling	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	MIIC
Revistas Indizadas	2017	Studying the role of CdS on the TiO <sub>2</sub> surface passivation to improve CdSeTe quantum dots sensitized solar cell	Journal of Alloys and Compounds	MIIC
Revistas Indizadas	2016	Light-Induced Space-Charge Accumulation Zone as Photovoltaic Mechanism in Perovskite Solar Cells	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	MIIC
Revistas Indizadas	2016	Noncapacitive Hysteresis in Perovskite Solar Cells at Room Temperature	ACS ENERGY LETTERS	MIIC
Revistas Indizadas	2016	Effect of the electrophoretic deposition of Au NPs in the	Electrochimica Acta	MIIC



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		performance CdS QDs sensitized solar Cells		
Revistas Indizadas	2016	Surface Recombination and Collection Efficiency in Perovskite Solar Cells from Impedance Analysis	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	MIIC
Revistas Indizadas	2016	Photovoltaic study of quantum dot-sensitized TiO <sub>2</sub> /CdS/ZnS solar cell with P3HT or P3OT added	Journal of Applied Electrochemistry	MIIC
Revistas Indizadas	2016	Ionic Reactivity at Contacts and Aging of Methylammonium Lead Triiodide Perovskite Solar Cells	Advanced Energy Materials	MIIC
Revistas Indizadas	2015	Current improvement in hybrid quantum dot sensitized solar cells by increased light-scattering with a polymer layer	RSC ADVANCES	MIIC
Revistas Indizadas	2015	Photovoltaic properties of multilayered quantum dot/quantum rod-sensitized TiO <sub>2</sub> solar cells fabricated by SILAR and electrophoresis	Physical Chemistry Chemical Physics	MIIC
Revistas Indizadas	2015	Effect of different sensitization technique on the photoconversion efficiency of CdS quantum dot and cdse quantum rod sensitized TiO <sub>2</sub> solar cells	Journal of Physical Chemistry C	MIIC
Revistas Indizadas	2015	Capacitive Dark Currents, Hysteresis, and Electrode Polarization in Lead Halide Perovskite Solar Cells	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	MIIC
Revistas Indizadas	2015	Photovoltaic Properties of Bi <sub>2</sub> S <sub>3</sub> and CdS Quantum Dot Sensitized TiO <sub>2</sub> Solar Cells	Electrochimica Acta	MIIC



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#### Ingeniería energética

Revistas Indizadas	2020	A novel approach to generate attractors with a high number of scrolls	Nonlinear Analysis: Hybrid Systems	MIIC
Revistas Indizadas	2017	Error-feedback control of multistability	Journal of the Franklin Institute	MIIC
Revistas Indizadas	2016	A discrete-time chaos synchronization system for electronic locking devices	European Physical Journal: Special Topics	MIIC
Revistas Indizadas	2016	Experimental implementation of maximally synchronizable networks. ISSN: 0378-4371	Physica A	MIIC
Revistas Indizadas	2016	Synchronization of unidirectionally delay-coupled chaotic oscillators with memory	European Physical Journal: Special Topics	MIIC
Revistas Indizadas	2015	Enhancing the stability of the synchronization of multivariable coupled oscillators	Physical Review E - Statistical, Nonlinear, and Soft Matter Physics	MIIC
Revistas Indizadas	2019	Dynamics of a Q-switched Nd:YVO <sub>4</sub> /Cr:YAG laser under periodic modulation	Results in Physics	MIIC
Revistas Indizadas	2019	Synchronization of complex networks of identical and nonidentical chaotic systems via model-matching control	PLOS ONE	MIIC
Revistas Indizadas	2019	Discrete-time neural	Chaos, Solitons and Fractals	MIIC



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		synchronization between an Arduino microcontroller and a Compact Development System using multiscroll chaotic signals		
Revistas Indizadas	2019	Design and implementation of a jerk circuit using a hybrid analogdigital system	Chaos, Solitons and Fractals	MIIC
Revistas Indizadas	2019	Neural Block Control via Integrator Backstepping for a Robotic Arm in Real-Time	Neural Processing Letters	MIIC
Revistas Indizadas	2019	Real-Time Implementation of a Neural Integrator Backstepping Control via Recurrent Wavelet First Order Neural Network	Neural Processing Letters	MIIC
Revistas Indizadas	2019	Empirical estimation approach to the study of inter-area resonance interactions in power systems	Electric Power Systems Research	MIIC
Revistas Difusión	2019	Neural Block Control via Integrator Backstepping for a Robotic Arm in Real-Time	Neural Processing Letters	MIIC
Revistas Difusión	2019	Real-Time Implementation of a Neural Integrator Backstepping Control via Recurrent Wavelet First Order Neural Network	Neural Processing Letters	MIIC



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Revistas Indizadas	2018	Real-time SOSM Super-twisting combined with block control for regulating induction motor velocity	IEEE Access	MIIC
Revistas Indizadas	2018	Control de velocidad de un motor de CD basado en mediciones de la corriente de armadura, Speed control of a DC motor based on armature current measurement	Ingeniería Investigación y Tecnología	MIIC
Revistas Indizadas	2018	Linear Time-Varying Luenberger Observer Applied to Diabetes	IEEE ACCESS	MIIC
Revistas Indizadas	2018	The Squirrel-Cage Induction Motor Model and Its Parameter Identification Via Steady and Dynamic Tests	Electric Power Components and Systems	MIIC
Revistas Indizadas	2018	Real-Time Decentralized Neural Control via Backstepping for a Robotic Arm Powered by Industrial Servomotors	IEEE Transactions on Neural Networks and Learning Systems	MIIC
Revistas Difusión	2018	Real-time SOSM Super-twisting combined with block control for regulating induction motor velocity	IEEE Access	MIIC
Revistas Difusión	2018	Real-Time Decentralized Neural Control via Backstepping for a Robotic Arm Powered by Industrial Servomotors	IEEE Transactions on Neural Networks and Learning Systems	MIIC
Revistas	2017	Distributed	Electric Power	MIIC





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Indizadas		oscillation damping estimation to large scale power systems: A multi-area online empirical approach	Systems Research	
Revistas Indizadas	2017	A Real-Time SOSM Super-Twisting Technique for a Compound DC Motor Velocity Controller	Energies	MIIC
Revistas Indizadas	2017	Reduced-order equivalent model to large power networks derived from its spectral dispersion	Electric Power Systems Research	MIIC
Revistas Difusión	2017	Control de velocidad de un motor de CD basado en mediciones de la corriente de armadura	Ingeniería, Investigación y Tecnología	MIIC
Revistas Difusión	2017	Distributed oscillation damping estimation to large scale power systems: A multi-area online empirical approach	Electric Power Systems Research	MIIC
Revistas Difusión	2017	Reduced-order equivalent model to large power networks derived from its spectral dispersion	Electric Power Systems Research	MIIC
Revistas Indizadas	2016	Synchronization of unidirectionally delay-coupled chaotic oscillators with memory	European Physical Journal: Special Topics	MIIC
Revistas Indizadas	2016	A discrete-time chaos synchronization system for electronic locking devices	European Physical Journal: Special Topics	MIIC





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Revistas Difusión	2016	Synchronization of unidirectionally delay-coupled chaotic oscillators with memory	European Physical Journal: Special Topics	MIIC
Revistas Difusión	2016	A discrete-time chaos synchronization system for electronic locking devices	EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS	MIIC
Revistas Indizadas	2015	A Dual Neural Network as an Identifier for a Robot Arm	International Journal of Advanced Robotic Systems	MIIC
Revistas Indizadas	2015	Real-time results for high order neural identification and block control transformation form using high order sliding modes	Asian Journal of Control	MIIC
Revistas Indizadas	2015	Partitioned modal extraction applied to power system wide-area measurements using empirical orthogonal functions	Electric Power Systems Research	MIIC
Revistas Difusión	2015	A Dual Neural Network as an Identifier for a Robot Arm	International Journal of Advanced Robotic Systems	MIIC
Revistas Difusión	2015	Real-time results for high order neural identification and block control transformation form using high order sliding modes	Asian Journal of Control	MIIC
Revistas Difusión	2015	Partitioned modal extraction applied to power system wide-area measurements using empirical orthogonal functions	Electric Power Systems Research	MIIC
Revistas	2019	Ordinal	Chaos, Solitons	MIIC



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Indizadas		synchronization: Using ordinal patterns to capture interdependencies between time series	and Fractals	
Revistas Indizadas	2018	Relay synchronization in multiplex networks	SCIENTIFIC REPORTS	MIIC
Revistas Indizadas	2017	Inter-layer synchronization in nonidentical multi- layer networks	SCIENTIFIC REPORTS	MIIC
Revistas Indizadas	2017	Optimal phase synchronization in networks of phase-coherent chaotic oscillators	Chaos	MIIC
Revistas Indizadas	2016	Experimental implementation of maximally synchronizable networks	Physica A: Statistical Mechanics and its Applications	MIIC
Revistas Indizadas	2016	Inter-layer synchronization in multiplex networks of identical layers	Chaos	MIIC
Revistas Indizadas	2016	Synchronization of networks of chaotic oscillators: Structural and dynamical datasets	Data in Brief	MIIC
Revistas Indizadas	2016	Synchronization of unidirectionally delay-coupled chaotic oscillators with memory	European Physical Journal: Special Topics	MIIC
Revistas Indizadas	2015	Inferring the connectivity of coupled oscillators from time-series statistical similarity analysis	SCIENTIFIC REPORTS	MIIC
Revistas Indizadas	2015	Coherence enhanced intermittency in an optically injected semiconductor laser	OPTICS EXPRESS	MIIC



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Revistas Indizadas	2015	Selective monostability in multi-stable systems	Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences	MIIC
Revistas Indizadas	2015	Enhancing the stability of the synchronization of multivariable coupled oscillators	Physical Review E - Statistical, Nonlinear, and Soft Matter Physics	MIIC