



ENRIQUE JAIME LIMA MUÑOZ

Datos Generales

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Máximo nivel de estudios: DOCTORADO

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Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
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Desde 01-09-2019

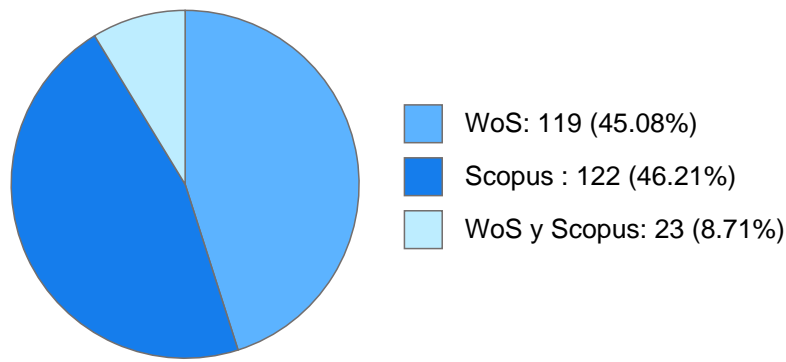
Estímulos, programas, premios y reconocimientos

SNI II 2024
SNI III 2014 - 2023
SNI II 2010 - 2013
SNI I 2009
PRIDE Fijo 2023 - 2024
PRIDE D 2013 - 2023
PRIDE C 2013
PRIDE B 2010 - 2013
PASPA Estancias de Investigación en el extranjero 2013

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Record-Breaking H ₂ S Capture and ppm-Level Sensing with a Chemically Stable Porous Organic Cage	VALERIA BELEN LOPEZ CERVANTES ENRIQUE JAIME LIMA MUÑOZ AIDA GUTIERREZ ALEJANDRE et al.	Small	2025
2	Copper release by MOF-74(Cu): a novel pharmacological alternative to diseases with deficiency of a vital oligoelement	ILICH ARGEL IBARRA ALVARADO ENRIQUE JAIME LIMA MUÑOZ Aguila-Rosas J. et al.	RSC ADVANCES	2024
3	Multifractal Analysis of 3D Correlated Nanoporous Networks	ENRIQUE JAIME LIMA MUÑOZ Carrizales-Velazquez C. Felipe C. et al.	Fractal And Fractional	2024
4	Glycyrrhizic Acid Formulated in Hydrotalcite Nanocarriers Intended to Act as a Hepatoprotective Agent	MAGALI ELIZABETH HERNANDEZ MORALES ENRIQUE JAIME LIMA MUÑOZ FLORA ADRIANA GANEM RONDERO et al.	AAPS JOURNAL	2024
5	Nanoparticle and microparticle-based systems for enhanced oral insulin delivery: A systematic review and meta-analysis	ENRIQUE JAIME LIMA MUÑOZ DAVID QUINTANAR GUERRERO GERARDO LEYVA GOMEZ et al.	JOURNAL OF NANOBIOTECHNOLOGY	2024
6	n-Pentanol Lubrication of Silica Layers Passivated with Hydroxyl Groups Under Constant Shear Stress and Load and Isothermal Conditions	JOSE LUIS RIVERA ROJAS ENRIQUE JAIME LIMA MUÑOZ Guerra-Gonzalez R. et al.	TRIBOLOGY LETTERS	2023

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7	Structural analysis of non-stoichiometric lithium cuprates, $\text{Li}_2+2x\text{Cu}_1-2x\text{O}_2-x$. Effects of lithium content and thermal treatments	Luis M. Palacios Romero JOSE GONZALO GONZALEZ REYES OSCAR OVALLE ENCINIA et al.	Journal Of Applied Research And Technology	2023
8	SU-101: a Bi(III)-based metal-organic framework as an efficient heterogeneous catalyst for the CO ₂ cycloaddition reaction	JUAN CARLOS OBESO JUREIDINI VALERIA BELEN LOPEZ CERVANTES ENRIQUE JAIME LIMA MUÑOZ et al.	DALTON TRANSACTIONS	2023
9	Copper(II)-MOFs for bio-applications	JUAN CARLOS OBESO JUREIDINI ILICH ARGEL IBARRA ALVARADO ENRIQUE JAIME LIMA MUÑOZ et al.	CHEMICAL COMMUNICATIONS	2023
10	Nanoconfinement of a Pharmaceutical Cocrystal with Praziquantel in Mesoporous Silica: The Influence of the Solid Form on Dissolution Enhancement	SERGIO ALCALA ALCALA ENRIQUE JAIME LIMA MUÑOZ Salas-Zúñiga R. et al.	MOLECULAR PHARMACEUTICS	2022
11	Sc(III)-Based metal-organic frameworks	MAGALI ELIZABETH HERNANDEZ MORALES EDMUNDO GUZMAN PERCASTEGUI ENRIQUE JAIME LIMA MUÑOZ et al.	CHEMICAL COMMUNICATIONS	2022
12	Discovering the effect of solvents on poly(2-aminoethyl methacrylate) grafting onto chitosan for an in vitro skin model	MAYKEL GONZALEZ TORRES SUSANA VARGAS MUÑOZ GERARDO LEYVA GOMEZ et al.	CARBOHYDRATE POLYMERS	2022
13	Coloured hybrid materials: exploiting an emergent surface property of fluorinated Al ₂ O ₃ containing anthocyanins and betacyanins	ILICH ARGEL IBARRA ALVARADO ENRIQUE JAIME LIMA MUÑOZ Erik Perez-Ramirez et al.	DALTON TRANSACTIONS	2022
14	Gold nanoparticles: current and upcoming biomedical applications in sensing, drug, and gene delivery	MAGALI ELIZABETH HERNANDEZ MORALES ELI SANCHEZ GONZALEZ ILICH ARGEL IBARRA ALVARADO et al.	CHEMICAL COMMUNICATIONS	2022
15	Linezolid@MOF-74 as a host-guest system with antimicrobial activity	HUGO ALBERTO LARA GARCIA ILICH ARGEL IBARRA ALVARADO ENRIQUE JAIME LIMA MUÑOZ et al.	JOURNAL OF MATERIALS CHEMISTRY B	2022
16	Methylene blue adsorption in DUT-5: Relatively strong host-guest interactions elucidated by FTIR, solid-state NMR, and XPS	EVA MARIA DE JESUS MARTINEZ AHUMADA EDUARDO GONZALEZ ZAMORA JORGE BALMASEDA ERA et al.	JOURNAL OF MOLECULAR LIQUIDS	2022
17	Identification of the preferential CO and SO ₂ adsorption sites within NOTT-401	MARIANA LIZETH DIAZ RAMIREZ ENRIQUE JAIME LIMA MUÑOZ Marcos Rivera-Almazo et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2021

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18	Plasma-induced customizable poly(ester-urethane) surface for cell culture platforms	MAYKEL GONZALEZ TORRES MARIA CRISTINA VELASQUILLO MARTINEZ MARGARITA RIVERA HERNANDEZ et al.	Materials Today Communications	2021
19	Cation folding and the thermal stability limit of the ionic liquid [BMIM+][BF4-] under total vacuum	ENRIQUE JAIME LIMA MUÑOZ Arroyo-Valdez J.A. Viramontes-Gamboa G. et al.	RSC ADVANCES	2021
20	Fluorinated MIL-101 for carbon capture utilisation and storage: uptake and diffusion studies under relevant industrial conditions	MARIANA LIZETH DIAZ RAMIREZ ENRIQUE JAIME LIMA MUÑOZ ILICH ARGEL IBARRA ALVARADO et al.	RSC ADVANCES	2021
21	SO ₂ Capture Using Porous Organic Cages	MAGALI ELIZABETH HERNANDEZ MORALES VOJTECH JANCIK ENRIQUE JAIME LIMA MUÑOZ et al.	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	2021
22	Critical Thickness of Free-Standing Nanothin Films Made of Melted Polyethylene Chains via Molecular Dynamics	ENRIQUE JAIME LIMA MUÑOZ González-Mijangos J.A. Guerra-González R. et al.	POLYMERS	2021
23	A poly (saccharide-ester-urethane) scaffold for mammalian cell growth	MAYKEL GONZALEZ TORRES GERARDO LEYVA GOMEZ ENRIQUE JAIME LIMA MUÑOZ et al.	CELLULAR AND MOLECULAR BIOLOGY	2021
24	High and reversible SO ₂ capture by a chemically stable Cr(III)-based MOF	MARIANA LIZETH DIAZ RAMIREZ HUGO ALBERTO LARA GARCIA VOJTECH JANCIK et al.	JOURNAL OF MATERIALS CHEMISTRY A	2020
25	Controlled Transdermal Release of Antioxidant Ferulate by a Porous Sc(III) MOF	GERARDO LEYVA GOMEZ ROBERTO SANCHEZ SANCHEZ ENRIQUE JAIME LIMA MUÑOZ et al.	Isience	2020
26	Sulfadiazine hosted in MIL-53(Al) as a biocide topical delivery system	GERARDO LEYVA GOMEZ EDUARDO GONZALEZ ZAMORA ILICH ARGEL IBARRA ALVARADO et al.	RSC ADVANCES	2020
27	Preservation of wooden objects recovered from the recent archaeological excavations of the Great Temple in Tenochtitlan	HUGO ALBERTO LARA GARCIA ENRIQUE JAIME LIMA MUÑOZ Maria Barajas Rocha et al.	JOURNAL OF CULTURAL HERITAGE	2020
28	Synthesis of Li _{4+x} Si _{1-x} FexO ₄ solid solution by dry ball milling and its highly efficient CO ₂ chemisorption in a wide temperature range and low CO ₂ concentrations	HUGO ALBERTO LARA GARCIA OSCAR OVALLE ENCINIA ENRIQUE JAIME LIMA MUÑOZ et al.	JOURNAL OF MATERIALS CHEMISTRY A	2019
29	New copolymers as hosts of ribosomal RNA	MAGALI ELIZABETH HERNANDEZ MORALES GERARDO LEYVA GOMEZ ENRIQUE JAIME LIMA MUÑOZ et al.	Bmc Chemistry	2019

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30	Partially fluorinated MIL-101(Cr): from a miniscule structure modification to a huge chemical environment transformation inspected by Xe-129 NMR	MARIANA LIZETH DIAZ RAMIREZ ELIZABETH GUADALUPE SANCHEZ GONZALEZ EDUARDO GONZALEZ ZAMORA et al.	JOURNAL OF MATERIALS CHEMISTRY A	2019
31	Comprehensive mapping of human body skin hydration: A pilot study	NESTOR MENDOZA MUÑOZ ENRIQUE JAIME LIMA MUÑOZ MAYKEL GONZALEZ TORRES et al.	SKIN RESEARCH AND TECHNOLOGY	2019
32	MFM-300: From air pollution remediation to toxic gas detection	ELIZABETH GUADALUPE SANCHEZ GONZALEZ ENRIQUE JAIME LIMA MUÑOZ ILICH ARGEL IBARRA ALVARADO et al.	Polyhedron	2019
33	Self-Association of Enolase from <i>Trichomonas vaginalis</i> . Monomers, Dimers, and Octamers Coexist in Solution	ENRIQUE JAIME LIMA MUÑOZ Elibeth Mirasol-Melendez Víctor Lara et al.	Acs Omega	2018
34	Highly Basic and Dipolar Layered Double Hydroxides Enhance Catalysis of Cyanoethylation of Alcohols	ENRIQUE JAIME LIMA MUÑOZ Díaz M. Cruz A.S. et al.	CATALYSIS LETTERS	2018
35	On the True Composition of Mixed-Cation Perovskite Films	ENRIQUE JAIME LIMA MUÑOZ DIEGO SOLIS IBARRA Carina Pareja-Rivera et al.	ACS Energy Letters	2018
36	Interfacial properties of the ionic liquid [bmim][triflate] over a wide range of temperatures	ENRIQUE JAIME LIMA MUÑOZ Rivera J.L. Molina-Rodríguez L. et al.	RSC ADVANCES	2018
37	Highly-polar layered double hydroxides are efficient adsorbents of low-concentrated trihalomethanes present in water	ENRIQUE JAIME LIMA MUÑOZ Morales A. Hernández M. et al.	Journal Of The Mexican Chemical Society	2018
38	Cellulose with a High Fractal Dimension Is Easily Hydrolysable under Acid Catalysis	MAGALI ELIZABETH HERNANDEZ MORALES ILICH ARGEL IBARRA ALVARADO ENRIQUE JAIME LIMA MUÑOZ et al.	CATALYSTS	2017
39	Synthesis and evaluation as CO ₂ chemisorbent of the Li-5(AII-xFex)O-4 solid solution materials: Effect of oxygen addition	ELIZABETH VERA BERNAL ENRIQUE JAIME LIMA MUÑOZ HERIBERTO PFEIFFER PEREA et al.	JOURNAL OF ENERGY CHEMISTRY	2017
40	Hybrid pigments resulting from several guest dyes onto γ -alumina host: A spectroscopic analysis	ILICH ARGEL IBARRA ALVARADO ENRIQUE JAIME LIMA MUÑOZ Pérez E. et al.	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	2017

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41	A novel hydrogel of poloxamer 407 and chitosan obtained by gamma irradiation exhibits physicochemical properties for wound management	ENRIQUE JAIME LIMA MUÑOZ DAVID QUINTANAR GUERRERO Leyva-Gomez, Gerardo et al.	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2017
42	Confinement of alcohols to enhance CO ₂ capture in MIL-53(Al)	ANA MARIA MARTINEZ VAZQUEZ ENRIQUE JAIME LIMA MUÑOZ EDUARDO GONZALEZ ZAMORA et al.	RSC ADVANCES	2017
43	CO ₂ capture in the presence of water vapour in MIL-53(Al)	ENRIQUE JAIME LIMA MUÑOZ ILICH ARGEL IBARRA ALVARADO Sanchez-Serratos, Mayra et al.	NEW JOURNAL OF CHEMISTRY	2016
44	Identification of allophane and other semi-crystalline and amorphous phases on pre-Hispanic Mexican adobe earth bricks from Cholula, Mexico	LAURO BUCIO GALINDO ENRIQUE JAIME LIMA MUÑOZ Perez, Nora A. et al.	MICROCHEMICAL JOURNAL	2016
45	Adsorption and subsequent partial photodegradation of methyl violet 2B on Cu/Al layered double hydroxides	ENRIQUE JAIME LIMA MUÑOZ Guzman-Vargas, Ariel Uriostegui-Ortega, Gisselle A. et al.	APPLIED SURFACE SCIENCE	2016
46	Quantification of amorphous phases in the silt fraction of Mexican pre-Hispanic adobe earth bricks	LAURO BUCIO GALINDO ENRIQUE JAIME LIMA MUÑOZ Pérez N.A. et al.	JOURNAL OF APPLIED CRYSTALLOGRAPHY	2016
47	Microporous polymers from superacid catalyzed polymerizations of fluoroketones with p-quaterphenyl: Synthesis, characterization, and gas sorption properties	JORGE BALMASEDA ERA MIKHAIL ZOLOTUKHIN MARIA DEL PILAR CARREON CASTRO et al.	Polymer	2016
48	Hydrotalcite-quinolinate composites as catalysts in a coupling reaction	ELOISA JUDITH RIOS MARTINEZ MAGALI ELIZABETH HERNANDEZ MORALES ILICH ARGEL IBARRA ALVARADO et al.	CHEMISTRY CENTRAL JOURNAL	2016
49	Water Adsorption Properties of NOTT-401 and CO ₂ Capture under Humid Conditions	ENRIQUE JAIME LIMA MUÑOZ JORGE BALMASEDA ERA EDUARDO GONZALEZ ZAMORA et al.	Acs Omega	2016
50	Evaluation of a combined drug-delivery system for proteins assembled with polymeric nanoparticles and porous microspheres; Characterization and protein integrity studies	SERGIO ALCALA ALCALA ENRIQUE JAIME LIMA MUÑOZ ELIZABETH PIÑON SEGUNDO et al.	INTERNATIONAL JOURNAL OF PHARMACEUTICS	2015
51	Natural betalains supported on γ -alumina: A wide family of stable pigments	ERIK PEREZ RAMIREZ ENRIQUE JAIME LIMA MUÑOZ Guzman, Ariel	DYES AND PIGMENTS	2015

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52	Stability of Cu species and zeolite structure on ecological heterogeneous Fenton discoloration-degradation of yellow 5 dye: Efficiency on reusable Cu-Y catalysts	ENRIQUE JAIME LIMA MUÑOZ GuzmanVargas, Ariel de la RosaPineda, Jesus E. et al.	ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY	2015
53	Removal of CO ₂ from CH ₄ and CO ₂ capture in the presence of H ₂ O vapour in NOTT-401	HUGO ALBERTO LARA GARCIA Maximiliano R. Gonzalez Juan H. GonzalezEstefan et al.	INORGANIC CHEMISTRY FRONTIERS	2015
54	Efficient KF loaded on MgCaAl hydrotalcite-like compounds in the transesterification of Jatropha curcas oil	ENRIQUE JAIME LIMA MUÑOZ Guzmán-Vargas A. Santos-Gutiérrez T. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2015
55	Modeling of polyamide 66 solid state polymerization: Drawing a chemical reaction scheme	ENRIQUE JAIME LIMA MUÑOZ Filgueiras V. Vouyiouka S.N. et al.	MACROMOLECULAR REACTION ENGINEERING	2015
56	A small change in the surface polarity of cellulose causes a significant improvement in its conversion to glucose and subsequent catalytic oxidation	Magali Hernandez ENRIQUE JAIME LIMA MUÑOZ OMAR NOVELO PERALTA et al.	APPLIED CATALYSIS B-ENVIRONMENTAL	2014
57	Thermoanalytical study of acid-treated clay containing amino acid immobilized on its surface	HERIBERTO PFEIFFER PEREA ENRIQUE JAIME LIMA MUÑOZ Rangel-Rivera, P. et al.	Journal Of Thermal Analysis And Calorimetry	2014
58	Some consequences of the fluorination of brucite-like layers in layered double hydroxides: Adsorption	ENRIQUE JAIME LIMA MUÑOZ HERIBERTO PFEIFFER PEREA Flores, Jorge	APPLIED CLAY SCIENCE	2014
59	Interaction of Refractory Dibenzothiophenes and Polymerizable Structures	ENRIQUE JAIME LIMA MUÑOZ Rivera, Jose L. Navarro-Santos, Pedro et al.	INTERNATIONAL JOURNAL OF POLYMER SCIENCE	2014
60	Consolidating materials for the volcanic tuff in western Mexico	Nora Ariadna Perez ENRIQUE JAIME LIMA MUÑOZ PEDRO BOSCH GIRAL et al.	JOURNAL OF CULTURAL HERITAGE	2014
61	Physicochemical and functional characterization of the collagen-polyvinylpyrrolidone copolymer	ENRIQUE JAIME LIMA MUÑOZ GUILLERMO KROTZSCH GOMEZ NAYELI RODRIGUEZ FUENTES et al.	JOURNAL OF PHYSICAL CHEMISTRY B	2014
62	Structural and Ionic Conduction Analyses of the Na ²⁺ (Zr ^{1-x} Al ^x)O ^{3-x/2} Solid Solution, during the CO ₂ Chemisorption Process	Brenda Alcantar Vazquez JOSE FRANCISCO GOMEZ GARCIA GUSTAVO TAVIZON ALVARADO et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2014
63	Efficient electrocatalytic reduction of nitrite species on zeolite modified electrode with Cu-ZSM-5	ENRIQUE JAIME LIMA MUÑOZ Guzman-Vargas, Ariel Oliver-Tolentino, Miguel A. et al.	ELECTROCHIMICA ACTA	2013

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64	Dynamic water vapor sorption on Mg(Ga ³⁺)O mixed oxides: Analysis of the LDH thermal regeneration process	Zaira I. Bedolla Valdez Sergio Ramirez Solis ENRIQUE JAIME LIMA MUÑOZ et al.	THERMOCHIMIC A ACTA	2013
65	Gold nanoparticles as efficient antimicrobial agents for Escherichia coli and Salmonella typhi	ENRIQUE JAIME LIMA MUÑOZ Guerra, Roberto Lara, Victor et al.	CHEMISTRY CENTRAL JOURNAL	2013
66	Antimicrobial supported nanoparticles: Gold versus silver for the cases of Escherichia coli and Salmonella typhi	ENRIQUE JAIME LIMA MUÑOZ Guerra, Roberto Guzman, Ariel	MICROPOROUS AND MESOPOROUS MATERIALS	2013
67	Li ⁴⁺ x(Si ¹⁻ xAl ^x)O ₄ solid solution mechanosynthesis and kinetic analysis of the CO ₂ chemisorption process	ISSIS CLAUDETTE ROMERO IBARRA ENRIQUE JAIME LIMA MUÑOZ HERIBERTO PFEIFFER PEREA et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2013
68	Understanding electrochemical stability of Cu ⁺ on zeolite modified electrode with Cu-ZSM5	ENRIQUE JAIME LIMA MUÑOZ Oliver-Tolentino, M. A. Guzman-Vargas, A. et al.	JOURNAL OF ELECTROANALYTICAL CHEMISTRY	2013
69	Structural and CO ₂ chemisorption analyses on Na ₂ (Zr ¹⁻ xAl ^x)O ₃ solid solutions	Brenda Alcantar Vazquez ISSIS CLAUDETTE ROMERO IBARRA ENRIQUE JAIME LIMA MUÑOZ et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2013
70	Controlled release of ferulic acid from a hybrid hydrotalcite and its application as an antioxidant for human fibroblasts	ENRIQUE JAIME LIMA MUÑOZ Flores, Jorge Santana Cruz, Alejandra et al.	MICROPOROUS AND MESOPOROUS MATERIALS	2013
71	Aged Natural and Synthetic Maya Blue-Like Pigments: What Difference Does It Make?	ENRIQUE JAIME LIMA MUÑOZ JOSE LUIS RIVERA ROJAS Guzman, Ariel et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2012
72	Lanthanum Influence on EuAlO ₃ Perovskite Structural Properties: Experimental and Molecular Dynamics Studies	ENRIQUE JAIME LIMA MUÑOZ MARIA ELENA DEL REFUGIO VILLAFUERTE Y CASTREJON JOSE MANUEL SANIGER BLESA et al.	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	2012
73	Cooperative effect of gold nanoparticles with CUS aluminium from nanoalumina support in the catalysis of an electron transfer reaction	ENRIQUE JAIME LIMA MUÑOZ Rashidi, Fereshteh Rashidi, Hassan et al.	APPLIED CATALYSIS A-GENERAL	2012
74	Structural and Thermochemical Chemisorption of CO ₂ on Li _{4+x} (Si ¹⁻ xAl ^x)O ₄ and Li _{4-x} (Si ¹⁻ xV ^x)O ₄ Solid Solutions	Jose Ortiz Landeros Luis M. Palacios Romero ENRIQUE JAIME LIMA MUÑOZ et al.	JOURNAL OF PHYSICAL CHEMISTRY A	2012
75	INDUSTRIAL ALUMINA AS A SUPPORT OF MoP: CATALYTIC ACTIVITY IN THE HYDRODESULFURIZATION OF DIBENZOTHIOPHENE	ENRIQUE JAIME LIMA MUÑOZ Montesinos-Castellanos, A. Vazquez-Zavala, A. et al.	REVISTA MEXICANA DE INGENIERIA QUIMICA	2012

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76	Fluorinated Hydrotalcites: The Addition of Highly Electronegative Species in Layered Double Hydroxides To Tune Basicity	ENRIQUE JAIME LIMA MUÑOZ de Jesus Martinez-Ortiz, Maria Gutierrez Reyes, Renata Isabel et al.	INORGANIC CHEMISTRY	2012
77	Growth of Escherichia coli and Salmonella typhi inhibited by fractal silver nanoparticles supported on zeolites	ENRIQUE JAIME LIMA MUÑOZ Guerra, Roberto Viniegra, Margarita et al.	MICROPOROUS AND MESOPOROUS MATERIALS	2012
78	Synthesis of aluminosilicates under high pressure and using sulfur as directing agent	ENRIQUE JAIME LIMA MUÑOZ HERIBERTO PFEIFFER PEREA Loera, Sandra et al.	CENT EUR J CHEM	2012
79	Thermochemical and Cyclability Analyses of the CO ₂ Absorption Process on a Ca/Al Layered Double Hydroxide	HERIBERTO PFEIFFER PEREA Tatiana Avalos Rendon ENRIQUE JAIME LIMA MUÑOZ et al.	JOURNAL OF ENVIRONMENTAL ENGINEERING	2011
80	CO ₂ Capture at Low Temperatures (30-80 degrees C) and in the Presence of Water Vapor over a Thermally Activated Mg-Al Layered Double Hydroxide	Daniela A. Torres Rodriguez ENRIQUE JAIME LIMA MUÑOZ HERIBERTO PFEIFFER PEREA et al.	JOURNAL OF PHYSICAL CHEMISTRY A	2011
81	CLEAN-UP OF WASTES FROM THE TEXTILE INDUSTRY USING ANIONIC CLAYS	ENRIQUE JAIME LIMA MUÑOZ JOSE LUIS RIVERA ROJAS Flores, Jorge et al.	CLAYS AND CLAY MINERALS	2011
82	Propene epoxidation with O ₂ and H ₂ : Identification of the most active gold clusters	ENRIQUE JAIME LIMA MUÑOZ Huang, Jiahui Akita, Tomoki et al.	JOURNAL OF CATALYSIS	2011
83	Cyanoethylation of alcohols by activated Mg-Al layered double hydroxides: Influence of rehydration conditions and Mg/Al molar ratio on Bronsted basicity	HERIBERTO PFEIFFER PEREA ENRIQUE JAIME LIMA MUÑOZ Valente, Jaime S. et al.	JOURNAL OF CATALYSIS	2011
84	Influence of Cation Nature on Stabilization of Gold Nanospecies in Mordenites	I. Tuzovskaya ENRIQUE JAIME LIMA MUÑOZ PEDRO BOSCH GIRAL et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2011
85	Comprehending the Thermal Decomposition and Reconstruction Process of Sol-Gel MgAl Layered Double Hydroxides	ENRIQUE JAIME LIMA MUÑOZ Valente, Jaime S. Toledo-Antonio, Jose A. et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2010
86	Preparation of self-organized porous tungsten oxide using HFCVD technique	ENRIQUE JAIME LIMA MUÑOZ Chavez, Fernando Felipe, Carlos et al.	MATERIALS CHEMISTRY AND PHYSICS	2010

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87	Thermokinetic Study of the Rehydration Process of a Calcined MgAl-Layered Double Hydroxide	HERIBERTO PFEIFFER PEREA ENRIQUE JAIME LIMA MUÑOZ Lara, Victor et al.	Langmuir	2010
88	Fractal Geometry Approach to Describe Mesostructured Boehmite and Gamma-Alumina Nanorods	ENRIQUE JAIME LIMA MUÑOZ Rashidi, Fereshteh Kharat, Ali Nematí et al.	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	2010
89	Na ⁺ Charge Tuning through Encapsulation of Sulfur Chromophores in Zeolite A and the Consequences in Adsorbent Properties	Sandra Loera ENRIQUE JAIME LIMA MUÑOZ Llewellyn, Philip L.	JOURNAL OF PHYSICAL CHEMISTRY C	2010
90	Influence of Mg/Al Ratio on the Thermokinetic Rehydration of Calcined Mg-Al Layered Double Hydroxides	HERIBERTO PFEIFFER PEREA Lorena Martínez dCruz ENRIQUE JAIME LIMA MUÑOZ et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2010
91	Stabilization of the Tlaltecuhli monolith pigments	PEDRO BOSCH GIRAL ENRIQUE JAIME LIMA MUÑOZ Barajas, María et al.	JOURNAL OF ARCHAEOLOGICAL SCIENCE	2010
92	Structural Analysis and CO ₂ Chemisorption Study on Nonstoichiometric Lithium Cuprates (Li ₂ +xCuO ₂ +x/2)	Luis M. Palacios Romero ENRIQUE JAIME LIMA MUÑOZ HERIBERTO PFEIFFER PEREA	JOURNAL OF PHYSICAL CHEMISTRY A	2009
93	Fractal Extra-Framework Species in De-aluminated LaY Zeolites and Their Catalytic Activity	ENRIQUE JAIME LIMA MUÑOZ García, Pablo Aguilar, Julia et al.	CATALYSIS LETTERS	2009
94	On the Acid-Base Properties of Microwave Irradiated Hydrotalcite-like Compounds Containing Zn ²⁺ and Mn ²⁺	ENRIQUE JAIME LIMA MUÑOZ Sampieri, Alvaro	Langmuir	2009
95	Evidence of Topological Indigo/Dehydroindigo Isomers in Maya Blue-Like Complexes Prepared from Palygorskite and Sepiolite	ENRIQUE JAIME LIMA MUÑOZ Domenech, Antonio Teresa Domenech-Carbo, María et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2009
96	Sulfated nanocapsular aluminas: Controlling their brönsted and lewis acidity	Xim Bokhimi ENRIQUE JAIME LIMA MUÑOZ Valente, Jaime S. et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2009
97	Effect of organic and inorganic consolidation agents on Tlaltecuhli monolith	ENRIQUE JAIME LIMA MUÑOZ PEDRO BOSCH GIRAL Barajas, María et al.	JOURNAL OF ARCHAEOLOGICAL SCIENCE	2009
98	Maya Blue as a nanostructured polyfunctional hybrid organic-inorganic material: the need to change paradigms	ENRIQUE JAIME LIMA MUÑOZ Domenech, Antonio Teresa Domenech-Carbo, María et al.	NEW JOURNAL OF CHEMISTRY	2009
99	Method for Large-Scale Production of Multimetallic Layered Double Hydroxides: Formation Mechanism Discernment	ENRIQUE JAIME LIMA MUÑOZ Valente, Jaime S. Sanchez-Cantu, Manuel et al.	CHEMISTRY OF MATERIALS	2009

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100	Experimental XRD and NMR, and molecular dynamics study of Sr containing LaAlO ₃ perovskite	ENRIQUE JAIME LIMA MUÑOZ MARIA ELENA DEL REFUGIO VILLAFUERTE Y CASTREJON JOSE MANUEL SANIGER BLESA et al.	Solid State Ionics	2008
101	Structural and textural evolution during folding of layers of layered double hydroxides	ENRIQUE JAIME LIMA MUÑOZ de Jesus Martínez-Ortiz, María Lara, Victor et al.	Langmuir	2008
102	HFCVD and CSVF techniques working together to produce nanostructured tungsten oxide	ENRIQUE JAIME LIMA MUÑOZ Chavez, F. Felipe, C. et al.	MATERIALS LETTERS	2008
103	Influence of the cation Na/Ca/Ag ratio on the ion exchange rate in zeolite α -modified carbon paste electrodes	ENRIQUE JAIME LIMA MUÑOZ Melendez, Angel M. Gonzalez, Ignacio	JOURNAL OF PHYSICAL CHEMISTRY C	2008
104	An atypical coordination in hexacyanomethylates: Structure and properties of hexagonal zinc phases	ENRIQUE JAIME LIMA MUÑOZ JORGE BALMASEDA ERA Rodríguez-Hernández J. et al.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2007
105	Morphology of nanostructured GaP on GaAs: Synthesis by the close-spaced vapor transport technique	ENRIQUE JAIME LIMA MUÑOZ Felipe C. Chávez F. et al.	CHEMICAL PHYSICS LETTERS	2007
106	Effect of La ₂ O ₃ in carbon deposition on Pt/Al ₂ O ₃ during methylcyclopentane reaction	ENRIQUE JAIME LIMA MUÑOZ González D. Martín N.	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2007
107	Fractal dimension of MoP-Al ₂ O ₃ catalysts and their activity in hydrodesulfurization of dibenzothiophene	ENRIQUE JAIME LIMA MUÑOZ Montesinos-Castellanos A. De Los Reyes J.A.H. et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2007
108	Complementary physicochemical characterization by SAXS and ¹²⁹ Xe NMR spectroscopy of Fe-ZSM-5: Influence of morphology in the selective catalytic reduction of NO	ENRIQUE JAIME LIMA MUÑOZ Guzmán-Vargas A. Delahay G. et al.	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2006
109	Cr(VI) immobilization in mixed (Mg, Al) oxides	HERIBERTO PFEIFFER PEREA ENRIQUE JAIME LIMA MUÑOZ PEDRO BOSCH GIRAL et al.	MICROPOROUS AND MESOPOROUS MATERIALS	2006
110	II. Cesium leaching in CsA and CsX zeolites: Use of blocking agents to inhibit the cesium cation mobility	ILICH ARGEL IBARRA ALVARADO ENRIQUE JAIME LIMA MUÑOZ PEDRO BOSCH GIRAL et al.	JOURNAL OF PHYSICAL CHEMISTRY B	2006

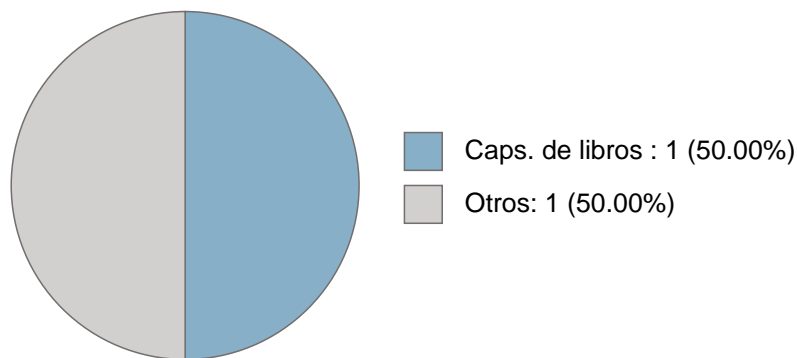
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111	Colored sodalite and A zeolites	ILICH ARGEL IBARRA ALVARADO ENRIQUE JAIME LIMA MUÑOZ PEDRO BOSCH GIRAL et al.	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2006
112	Kinetic analysis of the thermal stability of lithium silicates (Li ₄ SiO ₄ and Li ₂ SiO ₃)	ENRIQUE JAIME LIMA MUÑOZ HERIBERTO PFEIFFER PEREA Cruz D. et al.	JOURNAL OF SOLID STATE CHEMISTRY	2006
113	Irreversible adsorption of an aztec dye on fractal surfaces	ILICH ARGEL IBARRA ALVARADO ENRIQUE JAIME LIMA MUÑOZ Loera S. et al.	CHEMISTRY OF MATERIALS	2005
114	Synthesis and characterization of nanocapsules with shells made up of AlI3	ENRIQUE JAIME LIMA MUÑOZ Bokhimi T.X. Valente J.	JOURNAL OF PHYSICAL CHEMISTRY B	2005
115	Vitrification of CsA and CsX zeolites	ENRIQUE JAIME LIMA MUÑOZ PEDRO BOSCH GIRAL Ibarra A. et al.	STUD SURF SCI CATAL	2004
116	Coke Characterization on Pt/Al ₂ O ₃ -β-Zeolite Reforming Catalysts	ENRIQUE JAIME LIMA MUÑOZ Martín N. Viniegra M. et al.	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2004
117	Characterization of basic catalysts by the use of nitromethane as NMR probe molecule and reactant	ENRIQUE JAIME LIMA MUÑOZ Laspéras M. De Ménorval L.-C. et al.	JOURNAL OF CATALYSIS	2004
118	Fractal dimension and cobalt leaching in CoX and CoA zeolites	ENRIQUE JAIME LIMA MUÑOZ PEDRO BOSCH GIRAL Lara V.H. et al.	CHEMISTRY OF MATERIALS	2004
119	I. cesium leaching in CsA and CsX zeolites	ENRIQUE JAIME LIMA MUÑOZ ILICH ARGEL IBARRA ALVARADO PEDRO BOSCH GIRAL et al.	JOURNAL OF PHYSICAL CHEMISTRY B	2004
120	Characterization of the acid-base properties of oxide surfaces by ¹³ C CP/MAS NMR using adsorption of nitromethane	ENRIQUE JAIME LIMA MUÑOZ De Ménorval L.C. Tichit D. et al.	J PHYS CHEM B	2003
121	Probing the basicity of oxide surfaces by FTIR spectroscopy of isocyanic acid generated in situ by thermal decomposition of nitromethane	ENRIQUE JAIME LIMA MUÑOZ Nesterenko N. Graffin P. et al.	NEW JOURNAL OF CHEMISTRY	1999
122	Modification of the structure of natural bentonite and study on the sorption of Cs ⁺	ENRIQUE JAIME LIMA MUÑOZ PEDRO BOSCH GIRAL Bulbulian S.	JOURNAL OF RADIOANALYTIC AND NUCLEAR CHEMISTRY	1998

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

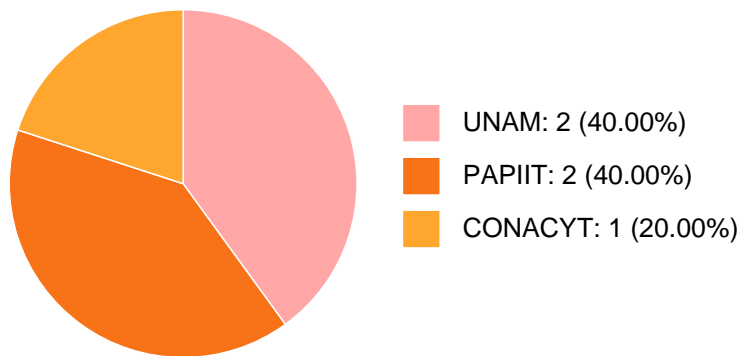


#	Título	Autores	Alcance	Año	ISBN
1	CO2 chemisorption and structural analyses of the $\text{Na}_2(\text{Zr}_{1-x}\text{Al}_x)\text{O}_{3-x/2}$ solid solution	JOSE FRANCISCO GOMEZ GARCIA GUSTAVO TAVIZON ALVARADO ENRIQUE JAIME LIMA MUÑOZ et al.	Conferencia e Paper	2015	9781510815490
2	Almacenamiento de hidrógeno en estructuras tipo zeolitas	ENRIQUE JAIME LIMA MUÑOZ	Capítulo de un Libro	2013	9781490404219

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

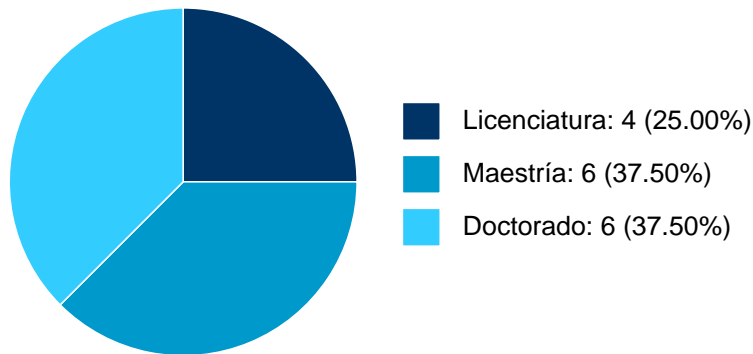


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Materiales híbridos funcionales y sus aplicaciones en Ciencia Básica multidisciplinaria	ENRIQUE JAIME LIMA MUÑOZ	Recursos CONACYT	30-03-2015	14-11-2018
2	Materiales porosos y altamente ordenados.	ENRIQUE JAIME LIMA MUÑOZ	Presupuesto de la UNAM asignado a la Dependencia	01-01-2018	31-12-2021
3	Nuevas composiciones química de hidróxidos dobles laminares: ampliación de una familia de materiales con diversas aplicaciones	ENRIQUE JAIME LIMA MUÑOZ	Recursos PAPIIT	01-01-2017	31-12-2019
4	Materiales híbridos porosos con actividad bioquímica.	ENRIQUE JAIME LIMA MUÑOZ	Recursos PAPIIT	01-01-2020	31-12-2022
5	Materiales porosos y altamente ordenados.	ENRIQUE JAIME LIMA MUÑOZ	Presupuesto de la UNAM asignado a la Dependencia	01-01-2022	31-12-2024

ENRIQUE JAIME LIMA MUÑOZ

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	"MOFS a base de escandio como sistemas portadores del antioxidante ácido ferúlico"	Tesis de Doctorado	ENRIQUE JAIME LIMA MUÑOZ,	Osorio Toribio, Génesis,	Instituto de Investigaciones en Materiales,	2023
2	Adsorción de SO ₂ en redes metal-orgánicas	Tesis de Maestría	ENRIQUE JAIME LIMA MUÑOZ,	Ramírez Torres, Iván Kaleb,	Instituto de Investigaciones en Materiales,	2021
3	Síntesis y caracterización de vectores no virales para posible uso en terapia génica para desórdenes degenerativos	Tesis de Doctorado	ENRIQUE JAIME LIMA MUÑOZ,	Hernández Morales, Magali Elizabeth,	Instituto de Investigaciones en Materiales,	2019
4	Modificación de las propiedades fisicoquímicas de hidróxidos dobles laminares y de la red metalorgánica MIL-101(Cr) debido a la introducción de flúor en su estructura	Tesis de Doctorado	ENRIQUE JAIME LIMA MUÑOZ,	Díaz Ramírez, Mariana Lizeth,	Instituto de Investigaciones en Materiales,	2018

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5	Hidróxidos dobles laminares altamente polares como adsorbentes eficientes de trihalometanos presentes en agua a baja concentración	Tesis de Doctorado	ENRIQUE JAIME LIMA MUÑOZ,	Morales Ayala, María Alejandra,	Instituto de Investigaciones en Materiales,	2018
6	Uso de espectroscopías UV-Vis-IRC para el estudio de piezas históricas y obras de arte	Tesis de Doctorado	ENRIQUE JAIME LIMA MUÑOZ,	JOSE LUIS RUVALCABA SIL, AMERICA ROSALBA VAZQUEZ OLMOS, et al.	Centro de Ciencias Aplicadas y Desarrollo Tecnológico, Instituto de Física, Instituto de Investigaciones en Materiales,	2017
7	Ensamble de microesferas porosas con TGF beta 3 y su aplicación en regeneración celular	Tesis de Maestría	ENRIQUE JAIME LIMA MUÑOZ,	Osorio Toribio, Génesis,	Instituto de Investigaciones en Materiales,	2017
8	Ftalocianinas estabilizadas en hidróxidos dobles laminares y su actividad foto-catalítica	Tesis de Maestría	ENRIQUE JAIME LIMA MUÑOZ,	Pérez Ruiz, Gabriel Isaí,	Instituto de Investigaciones en Materiales,	2016
9	Síntesis y evaluación de un grupo de pigmentos híbridos a partir de betalaínas de origen natural y matrices inorgánicas de aluminio y silicio	Tesis de Doctorado	ENRIQUE JAIME LIMA MUÑOZ,	Pérez Ramírez, Erik,	Instituto de Investigaciones en Materiales,	2016
10	Caracterización fisicoquímica del copolímero colágena-polivinilpirrolidona y el efecto de la radiación gamma en su estructura	Tesis de Maestría	ENRIQUE JAIME LIMA MUÑOZ,	Medina Vara, Blanca Graciela,	Instituto de Investigaciones en Materiales,	2015

Reporte individual

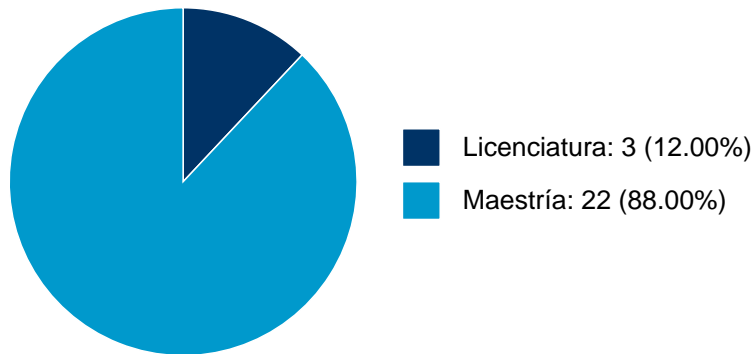
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11	Síntesis de materiales híbridos inorgánicos-orgánicos para aplicaciones como pigmentos	Tesis de Maestría	ENRIQUE JAIME LIMA MUÑOZ,	Hernández Morales, Magali Elizabeth,	Instituto de Investigaciones en Materiales,	2014
12	Modificación de matrices orgánicas adsorbiendo aminoácidos sobre su superficie	Tesis de Maestría	ENRIQUE JAIME LIMA MUÑOZ,	Díaz Ramírez, Mariana Lizeth,	Instituto de Investigaciones en Materiales,	2014
13	Introducción de especies electropositivas y electronegativas en las estructuras de los hidróxidos dobles laminares Mg-al-Co ₃	Tesis de Licenciatura	ENRIQUE JAIME LIMA MUÑOZ,	Rios Martínez, Eloisa Judith,	Instituto de Investigaciones en Materiales,	2013
14	Matrices orgánico-inorgánicas como sensores-reguladores de glucosa y fenoles	Tesis de Licenciatura	ENRIQUE JAIME LIMA MUÑOZ,	Perez Ruiz, Gabriel Isai,	Instituto de Investigaciones en Materiales,	2012
15	Adsorción de aminoácidos en matrices inorgánicas y orgánicas	Tesis de Licenciatura	ENRIQUE JAIME LIMA MUÑOZ,	Hernández Morales, Magali Elizabeth,	Instituto de Investigaciones en Materiales,	2012
16	Explorando el método de RMN de xenón para evaluar el gradiente de campo eléctrico en sitios a la escala nanométrica	Tesis de Licenciatura	ENRIQUE JAIME LIMA MUÑOZ,	López Pineda, Eduardo,	Instituto de Investigaciones en Materiales,	2010

ENRIQUE JAIME LIMA MUÑOZ

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	INTRODUCCIÓN A LA QUÍMICA DE MATERIALES	Instituto de Investigaciones en Materiales	3	2024-2
2	Licenciatura	ZEOLITAS E HIDROTALCITAS	Facultad de Química	7	2024-1
3	Maestría	MATERIALES CERÁMICOS: TÉCNICAS ESPECTROSCÓPICAS Y TÉRMICAS	Instituto de Investigaciones en Materiales	1	2024-1
4	Maestría	INTRODUCCIÓN A LA QUÍMICA DE MATERIALES	Instituto de Investigaciones en Materiales	1	2023-2
5	Maestría	INTRODUCCIÓN A LA QUÍMICA DE MATERIALES	Instituto de Investigaciones en Materiales	3	2023-1
6	Maestría	FISICOQUÍMICA DE SUPERFICIES	Instituto de Investigaciones en Materiales	1	2022-2
7	Maestría	FISICOQUÍMICA DE SUPERFICIES	Instituto de Investigaciones en Materiales	3	2021-2
8	Maestría	INTRODUCCIÓN A LA QUÍMICA DE MATERIALES	Instituto de Investigaciones en Materiales	11	2021-1

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9	Maestría	INTRODUCCIÓN A LA QUÍMICA DE MATERIALES	Instituto de Investigaciones en Materiales	8	2020-1
10	Maestría	FISICOQUÍMICA DE SUPERFICIES	Instituto de Investigaciones en Materiales	3	2020-1
11	Maestría	INTRODUCCIÓN A LA QUÍMICA DE LOS MATERIALES	Instituto de Investigaciones en Materiales	6	2019-1
12	Maestría	INTRODUCCION A LA QUIMICA DE LOS MATERIALES-304390	Instituto de Investigaciones en Materiales	9	2017-1
13	Licenciatura	TEM.SELEC.DE FISICA D MATERIAL III	Facultad de Ciencias	3	2016-1
14	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	2	2016-1
15	Maestría	INTRODUCCION A LA QUIMICA DE LOS MATERIALES	Instituto de Investigaciones en Materiales	8	2016-1
16	Licenciatura	TEM.SELEC.DE FISICA D MATERIAL III	Facultad de Ciencias	3	2015-1
17	Maestría	INTRODUCCION A LA QUIMICA DE LOS MATERIALES	Instituto de Investigaciones en Materiales	6	2015-1
18	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	1	2015-1
19	Maestría	TEMAS SELECTOS DE MATERIALES CERAMICOS	Instituto de Investigaciones en Materiales	2	2014-2
20	Maestría	TEMAS SELECTOS DE MATERIALES CERAMICOS	Instituto de Investigaciones en Materiales	2	2014-1
21	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	3	2012-2
22	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	4	2012-1
23	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	3	2011-2



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



ENRIQUE JAIME LIMA MUÑOZ

24	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	1	2010-2
25	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	6	2010-1



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



ENRIQUE JAIME LIMA MUÑOZ

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