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Coordinación de Planeación, Evaluación y Simplificación de la Gestión Institucional

Reporte individual



GABRIEL ALONSO NUÑEZ

Datos Generales

Nombre: GABRIEL ALONSO NUÑEZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 17 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo

Centro de Nanociencias y Nanotecnología en la UNAM

Desde 16-03-2018

Estímulos, programas, premios y reconocimientos

SNI III 2009 – VIGENTE

PRIDE D 2009 – 2024

PRIDE C 2009

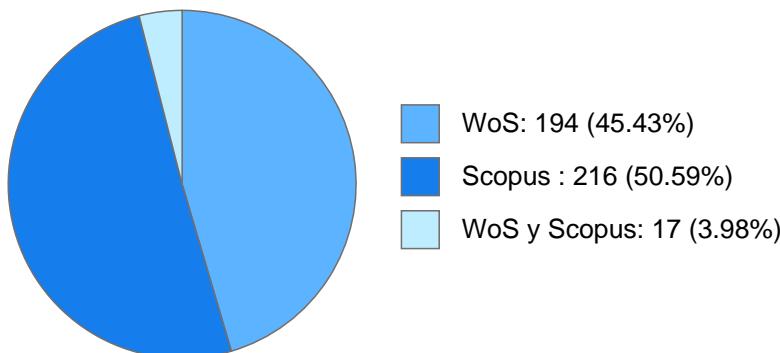
PASPA Estancias Sabáticas 2015 – 2016

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



| # | Título | Autores | Revista | Año |
|---|--|---|---|------|
| 1 | Synthesis and Characterization of NiWS2/MWCNT Nanohybrids | ERIC MAURICIO RIVERA MUÑOZ GABRIEL ALONSO NUÑEZ RAFAEL HUIRACHE ACUÑA et al. | ChemNanoMat | 2025 |
| 2 | Rhenium-doped MoS2 3D-flower-like nanosheets on 2D-TiO2 core-shell for synergistic photocatalytic degradation of RhB under visible light | GABRIEL ALONSO NUÑEZ Aliaga J. Chamorro N. et al. | Materials Today Communications | 2025 |
| 3 | From Graphene Oxide to N-Doped Graphene: Understanding the Doping Process | JOSE ISRAEL PAEZ ORNELAS HECTOR NOE FERNANDEZ ESCAMILLA EDUARDO ANTONIO MURILLO BRACAMONTES et al. | Advanced Energy And Sustainability Research | 2025 |
| 4 | Metal oxide complexes as precursors of sulfide catalysts for HDS of DBT | GABRIEL ALONSO NUÑEZ JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO et al. | NEW JOURNAL OF CHEMISTRY | 2024 |
| 5 | Synergic effect of Fe-Sn-Ag tri-metallic nanoparticles synthesized by a green chemistry method on their photocatalytic activity | GABRIEL ALONSO NUÑEZ Aguirre-Camacho J.J. Z. Flores-López L. et al. | JOURNAL OF ENVIRONMENTAL MANAGEMENT | 2024 |
| 6 | Si-pillared MFI zeolites as promising supports for HDS catalysts | MARIA CARMEN MACIEL ARREOLA ROSARIO ISIDRO YOCUPICIO GAXIOLA RAFAEL HUIRACHE ACUÑA et al. | MRS COMMUNICATIONS | 2024 |

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| 7 | Photocatalytic activity of silver nanoparticles@cellulose nanocomposites, from pistachio husk, in the toxic azo commercial dye degradation | GABRIEL ALONSO NUÑEZ Hernandez-Castro S.G. Z. Flores-López L. et al. | INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES | 2024 |
| 8 | Removal and adsorption kinetics of methylene blue dye by pristine cotton husk bracts (<i>Gossypium hirsutum L.</i>) from agroindustrial waste | GABRIEL ALONSO NUÑEZ Zavala-Flores E. Z. Flores-López L. et al. | INDUSTRIAL CROPS AND PRODUCTS | 2024 |
| 9 | Tribological performance of ammonium thiomolybdate as water-soluble lubricant additive for steel-steel contacts | GABRIEL ALONSO NUÑEZ Javier Lara-Romero Ricardo Rangel et al. | LUBRICATION SCIENCE | 2023 |
| 10 | Pd-Sn promoted NbOx/TiO ₂ catalysts for hydrogen photoproduction: Effect of Pd-Sn interaction on charge handling and reaction mechanism | URIEL CAUDILLO FLORES SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ et al. | CHEMICAL ENGINEERING JOURNAL | 2023 |
| 11 | Photocatalytic degradation of azo dyes by ultra-small green synthesized silver nanoparticles | GABRIEL ALONSO NUÑEZ Bustos-Guadarrama S. Nieto-Maldonado A. et al. | JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS | 2023 |
| 12 | Synergistic role of active chlorine species and hydroxyl radicals during disinfection and mineralization of carwash wastewater | GABRIEL ALONSO NUÑEZ Alejandro Medel Marlon C. Gonzalez et al. | JOURNAL OF SOLID STATE ELECTROCHEMISTRY | 2023 |
| 13 | Photocatalytic Activity and Biocide Properties of Ag ⁺ TiO ₂ Composites on Cotton Fabrics | LUIS CEDEÑO CAERO RUBEN DARIO CADENA NAVA KENDRA RAMIREZ ACOSTA et al. | Materials | 2023 |
| 14 | Influence of precursor compounds on the structural and catalytic properties of CoNiMo/SBA-15 catalysts used in the hydrodesulfurization of dibenzothiophene | JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ et al. | Molecular Catalysis | 2023 |
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| 16 | Green synthesis of copper nanoparticles using different plant extracts and their antibacterial activity | KENDRA RAMIREZ ACOSTA GABRIEL ALONSO NUÑEZ RUBEN DARIO CADENA NAVA et al. | Journal of Environmental Chemical Engineering | 2022 |

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| 20 | Triblock Copolymer Effect During the Synthesis of ZrO ₂ -TiO ₂ Mixed Oxides Supports for NiW Hydrodesulfurization Catalysts | GABRIEL ALONSO NUÑEZ TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO et al. | TOPICS IN CATALYSIS | 2022 |
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| 23 | Effect of Pt-Mn nanoparticles supported on CNT in methanol electro-oxidation reaction, experimental, and theoretical studies | JORGE NOE DIAZ DE LEON HERNANDEZ JOEL ANTUNEZ GARCIA TRINO ARMANDO ZEPEDA PARTIDA et al. | JOURNAL OF MATERIALS RESEARCH | 2021 |
| 24 | Selective removal of sulfur from 3-methyl thiophene under mild conditions over NiW/Al ₂ O ₃ -TiO ₂)modified by surfactants | JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO et al. | CATALYSIS TODAY | 2021 |
| 25 | Modeling the ternary chalcogenide Na ₂ MoSe ₄ from first-principles | ARMANDO REYES SERRATO GABRIEL ALONSO NUÑEZ JONATHAN GUERRERO SANCHEZ et al. | JOURNAL OF PHYSICS-CONDENSED MATTER | 2021 |
| 26 | Positive phosphorous effect during co-processing of pyrolysis bio-oils and Scontent model compounds over sulfide NiMo/P/HMS-Al catalysts | TRINO ARMANDO ZEPEDA PARTIDA RAFAEL HUIRACHE ACUÑA GABRIEL ALONSO NUÑEZ et al. | FUEL PROCESSING TECHNOLOGY | 2021 |
| 27 | Study of the effect of the different parts of Morinda citrifolia L. (noni) on the green synthesis of silver nanoparticles and their antibacterial activity | RUBEN DARIO CADENA NAVA GABRIEL ALONSO NUÑEZ Violeta Morales-Lozoya et al. | APPLIED SURFACE SCIENCE | 2021 |
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| 31 | Understanding the Selectivity of the Oxygen Reduction Reaction at the Atomistic Level on Nitrogen-Doped Graphitic Carbon Materials | HECTOR NOE FERNANDEZ ESCAMILLA JONATHAN GUERRERO SANCHEZ ENRIQUE CONTRERAS BERNABE et al. | ADVANCED ENERGY MATERIALS | 2021 |
| 32 | Solvothermal synthesis of three-dimensional molybdenum and rhenium diselenides and their performance in the hydrodesulfurization of dibenzothiophene | GABRIEL ALONSO NUÑEZ MARIO HUMBERTO FARIAS SANCHEZ Vega-Granados K. et al. | MATERIALS LETTERS | 2021 |
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| 34 | A fluorescent PET probe based on polyethyleneimine-Ag nanoclusters as a reversible, stable and selective broad-range pH sensor | GABRIEL ALONSO NUÑEZ Ana Patricia Reyes-Cruzaley Adrian Ochoa-Teran et al. | ANALYTICAL METHODS | 2021 |
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| 37 | The effect on the electrocatalytic activity of the chemical interaction of selenium with palladium centers: oxygen reduction and methanol oxidation reactions in alkaline medium | GABRIEL ALONSO NUÑEZ Karla Vega-Granados Christine Canaff et al. | JOURNAL OF PHYSICS-CONDENSED MATTER | 2021 |
| 38 | Prospects for Further Development of Face Masks to Minimize Pandemics Functionalization of Textile Materials with Biocide Inorganic Nanoparticles: A Review | VITALI PETRANOVSKI AFANASIEVNA JOEL ANTUNEZ GARCIA GABRIEL ALONSO NUÑEZ et al. | IEEE LATIN AMERICA TRANSACTIONS | 2021 |

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| 40 | Assessing quantitatively charge carrier fate in 4-chlorophenol photocatalytic degradation using globular titania catalysts: Implications in quantum efficiency calculation | URIEL CAUDILLO FLORES GABRIEL ALONSO NUÑEZ Avilés-García O. et al. | Journal of Environmental Chemical Engineering | 2021 |
| 41 | Synthesis and characterization of silver nanoparticles supported on Bivalve mollusk shell for catalytic degradation of commercial dyes | GABRIEL ALONSO NUÑEZ Tannia Velazquez-Urbina Heriberto Espinoza-Gomez et al. | JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY | 2021 |
| 42 | Synthesis of covalent bonding MWCNT-oligoethylene linezolid conjugates and their antibacterial activity against bacterial strains | GABRIEL ALONSO NUÑEZ JOSE LUIS MEDINA FRANCO Alatorre-Barajas J.A. et al. | RSC ADVANCES | 2021 |
| 43 | MWCNT-oxazolidinone conjugates with antibacterial activity | GABRIEL ALONSO NUÑEZ Bibiana Moreno-Valle Jose A. Alatorre-Barajas et al. | JOURNAL OF NANOPARTICLE RESEARCH | 2020 |
| 44 | Active ruthenium phosphide as selective sulfur removal catalyst of gasoline model compounds | RAFAEL HUIRACHE ACUÑA SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ et al. | FUEL PROCESSING TECHNOLOGY | 2020 |
| 45 | Modifying nitrogen species of nitrogen-doped carbon nanotubes by thermal annealing to explore their role in the triiodide reduction reaction | DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO ALEJANDRO BORBON NUÑEZ HUGO JESUS TIZNADO VAZQUEZ et al. | Carbon | 2020 |
| 46 | CoNiMo/Al ₂ O ₃ sulfide catalysts for dibenzothiophene hydrodesulfurization: Effect of the addition of small amounts of nickel | RAFAEL HUIRACHE ACUÑA JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO et al. | MICROPOROUS AND MESOPOROUS MATERIALS | 2020 |
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| 48 | Anodes for Direct Alcohol Fuel Cells Assisted by Plasmon-Accelerated Electrochemical Oxidation Using Gold Nanoparticle-Decorated Buckypapers | RUBEN DARIO CADENA NAVA GABRIEL ALONSO NUÑEZ OSCAR EDEL CONTRERAS LOPEZ et al. | Acs Applied Energy Materials | 2020 |



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| 49 | Sulfur doped carbon nanohorns towards oxygen reduction reaction | GABRIEL ALONSO NUÑEZ MARIO HUMBERTO FARIAS SANCHEZ Montiel Macias E. et al. | DIAMOND AND RELATED MATERIALS | 2020 |
| 50 | Membranes made of nitrogen-doped CNTs decorated with magnetite NPs for cleaning treated wastewater | ENRIQUE CONTRERAS BERNABE DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO JESUS TIZNADO VAZQUEZ et al. | Abstracts Of Papers Of The American Chemical Society | 2019 |
| 51 | New ternary transition metal selenide Na ₂ MoSe ₄ : Computational and experimental study | ROBERTO ISRAEL HERNANDEZ LIMA JONATHAN GUERRERO SANCHEZ GABRIEL ALONSO NUÑEZ et al. | Abstracts Of Papers Of The American Chemical Society | 2019 |
| 52 | Melamine-assisted synthesis of nitrogen-doped ReS ₂ nanosheets/carbon composites | MARIO HUMBERTO FARIAS SANCHEZ GABRIEL ALONSO NUÑEZ Benavente E. et al. | MATERIALS LETTERS | 2019 |
| 53 | N-Doped carbon nanotubes enriched with graphitic nitrogen in a buckypaper configuration as efficient 3D electrodes for oxygen reduction to H ₂ O ₂ | ENRIQUE CONTRERAS BERNABE DAVID ALEJANDRO DOMINGUEZ VARGAS HUGO JESUS TIZNADO VAZQUEZ et al. | Nanoscale | 2019 |
| 54 | ISOMORPHIC SUBSTITUTION OF Mg ²⁺ BY Al ³⁺ ON MgO: EFFECTS ON BASICITY, TEXTURAL PROPERTIES AND MICROSTRUCTURE | JORGE NOE DIAZ DE LEON HERNANDEZ DONALD HOMERO GALVAN MARTINEZ GABRIEL ALONSO NUÑEZ et al. | REVISTA MEXICANA DE INGENIERIA QUIMICA | 2019 |
| 55 | Catalytic dehydration of 2 propanol over Al ₂ O ₃ -Ga ₂ O ₃ and Pd/Al ₂ O ₃ -Ga ₂ O ₃ catalysts | JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO et al. | CATALYSIS TODAY | 2019 |
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| 57 | Synergetic effect in RuxMox(1-x)S ₂ /SBA-15 hydrodesulfurization catalysts: Comparative experimental and DFT studies | TRINO ARMANDO ZEPEDA PARTIDA DONALD HOMERO GALVAN MARTINEZ JORGE NOE DIAZ DE LEON HERNANDEZ et al. | APPLIED CATALYSIS B-ENVIRONMENTAL | 2019 |
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| 60 | New Insight on the Formation of Sodium Titanates 1D Nanostructures and Its Application on CO ₂ Hydrogenation | JOEL ROJAS ESCUDERO LUIS CARDENAS TORRES GABRIEL ALONSO NUÑEZ et al. | Frontiers in Chemistry | 2019 |
| 61 | Electrochemical hydrogen evolution over hydrothermally synthesized re-doped MoS ₂ flower-like microspheres | MARIO HUMBERTO FARIAS SANCHEZ GABRIEL ALONSO NUÑEZ Aliaga J. et al. | Molecules | 2019 |
| 62 | Enhancement of dibenzothiophene hydrodesulphurization via hydrogenation route on NiMoW catalyst supported on HMS modified with Ti | TRINO ARMANDO ZEPEDA PARTIDA GABRIEL ALONSO NUÑEZ Vázquez-Salas P.J. et al. | CATALYSIS TODAY | 2018 |
| 63 | Characterizations and HDS performances of sulfided NiMoW catalysts supported on mesoporous titania-modified SBA-15 | ERIC MAURICIO RIVERA MUÑOZ GABRIEL ALONSO NUÑEZ Gómez-Orozco S.Y. et al. | CATALYSIS TODAY | 2018 |
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| 66 | Effect of acute and long-term administration of gold nanoparticles on biochemical parameters in rat brain | GABRIEL ALONSO NUÑEZ Ferreira, Gabriela K. Cardoso, Eria et al. | MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS | 2017 |
| 67 | Trimetallic NiMoW sulfide catalysts by the thermal decomposition of thiosalt blends for the hydrodesulfurization of dibenzothiophene | GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO Iriarte, V. et al. | REACTION KINETICS MECHANISMS AND CATALYSIS | 2017 |
| 68 | Highly active CoMo/Al (10) KIT-6 catalysts for HDS of DBT: Role of structure and aluminum heteroatom in the support matrix | TRINO ARMANDO ZEPEDA PARTIDA GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO et al. | CATALYSIS TODAY | 2017 |
| 69 | Biological effects of carbon nanotubes generated in forest wildfire ecosystems rich in resinous trees on native plants | GABRIEL ALONSO NUÑEZ MARIELA GOMEZ ROMERO ROBERTO ANTONIO LINDIG CISNEROS et al. | PEERJ | 2017 |



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| 71 | Influence of the Synthesis Parameters in Carbon Nanotubes Doped with Nitrogen for Oxygen Electroreduction | GABRIEL ALONSO NUÑEZ MARIO HUMBERTO FARIAS SANCHEZ Zeferino González I. et al. | ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY | 2017 |
| 72 | Formation of Co-Promoted MoS ₂ Fullerene-Like Nanostructures on SBA-15 as Effective Hydrodesulfurization Catalyst | TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ et al. | CATALYSIS LETTERS | 2017 |
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| 74 | A green synthesis of copper nanoparticles using native cyclodextrins as stabilizing agents | GABRIEL ALONSO NUÑEZ Suárez-Cerdeña, J. Espinoza-Gómez, H. et al. | JOURNAL OF SAUDI CHEMICAL SOCIETY | 2017 |
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| 76 | A study of the depth and size of concave cube Au nanoparticles as highly sensitive SERS probes (vol 8, pg 7326, 2016) | JOSE MANUEL ROMO HERRERA GABRIEL ALONSO NUÑEZ OSCAR EDUARDO CONTRERAS LOPEZ et al. | Nanoscale | 2017 |
| 77 | Synthesis of PtNPs/MWCNT functionalized with 4-mercaptophenylboronic acid for an electrochemical sensor of fructose | GABRIEL ALONSO NUÑEZ Silva-Carrillo, Carolina Alonso Reynoso-Soto, Edgar et al. | JOURNAL OF THE ELECTROCHEMICAL SOCIETY | 2017 |
| 78 | Support effects of NiW catalysts for highly selective sulfur removal from light hydrocarbons | GABRIEL ALONSO NUÑEZ TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO et al. | APPLIED CATALYSIS B-ENVIRONMENTAL | 2017 |
| 79 | A New Route for the Synthesis of Ammonium Thiotungstate, a Catalyst Precursor | GABRIEL ALONSO NUÑEZ MIGUEL AVALOS BORJA Vega-Granados, K. et al. | CATALYSIS LETTERS | 2017 |
| 80 | Parametric Study of the Synthesis of Carbon Nanotubes by Spray Pyrolysis of a Biorenewable Feedstock: alpha-Pinene | GABRIEL ALONSO NUÑEZ Lara-Romero, J. y Ocampo-Macias, T. et al. | ACS SUSTAINABLE CHEMISTRY & ENGINEERING | 2017 |

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| 81 | Microspherical ReS ₂ as a High-Performance Hydrodesulfurization Catalyst | MARIO HUMBERTO FARIAS SANCHEZ SERGIO FUENTES MOYADO DONALD HOMERO GALVAN MARTINEZ et al. | CATALYSIS LETTERS | 2017 |
| 82 | Cosmic ray oriented performance studies for the JEM-EUSO first level trigger | GABRIEL ALONSO NUÑEZ MARIA DOLORES MARAVILLA MEZA GUSTAVO ADOLFO MEDINA TANCO et al. | NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT | 2017 |
| 83 | Competitive HDS and HDN reactions over NiMoS/HMS-Al catalysts: Diminishing of the inhibition of HDS reaction by support modification with P | TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ et al. | APPLIED CATALYSIS B-ENVIRONMENTAL | 2016 |
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| 85 | Multi-walled carbon nanotube functionalization by radical addition using hydroxymethylene groups | GABRIEL ALONSO NUÑEZ Rodriguez-Jimenez, Ruben Paraguay-Delgado, Francisco et al. | JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY | 2016 |
| 86 | Organic Solvent's Effect in the Deposition of Platinum Particles on MWCNTs for Oxygen Reduction Reaction | JOSE ALVARO CHAVEZ CARVAYAR GABRIEL ALONSO NUÑEZ Silva-Carrillo, Carolina et al. | JOURNAL OF NANOMATERIALS | 2016 |
| 87 | Shape and size controlled growth of SnO ₂ nano-particles by efficient approach | GABRIEL ALONSO NUÑEZ Vasquez, F. C. Paraguay-Delgado, F. et al. | SUPERLATTICES AND MICROSTRUCTURES | 2016 |
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| 186 | Decomposition of tetra-alkylammonium thiomolybdates characterised by thermoanalysis and mass spectrometry | SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ Poisot M. et al. | THERMOCHIMIC ACTA | 2006 |
| 187 | Synthesis of Ni-Mo-W sulphide catalysts by ex situ decomposition of trimetallic precursors | GABRIEL ALONSO NUÑEZ Huirache-Acuña R. Albiter M.A. et al. | APPLIED CATALYSIS A-GENERAL | 2006 |
| 188 | Trimetallic NiMoW unsupported catalysts for HDS | AMELIA OLIVAS SARABIA GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO et al. | Abstracts Of Papers Of The American Chemical Society | 2005 |
| 189 | Trimetallic NiMoW unsupported catalysts for HDS | AMELIA OLIVAS SARABIA GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO et al. | American Chemical Society, Division of Petroleum Chemistry, Preprints | 2005 |
| 190 | Nickel-molybdenum-tungsten sulphide catalysts prepared by in situ activation of tri-metallic (Ni-Mo-W) alkylthiomolybdotungstates | GABRIEL ALONSO NUÑEZ Nava H. Pedraza F. | CATALYSIS LETTERS | 2005 |
| 191 | Catalizadores para la HDS basados en M/MoS ₂ (M=Co, Ni) y soportados en un óxido mixto de Aluminio-Titanio | GABRIEL ALONSO NUÑEZ Alvarez L. Espino J. et al. | REVISTA MEXICANA DE FISICA | 2005 |
| 192 | Active area and particle size of Pt particles synthesized from (NH ₄) ₂ PtCl ₆ on a carbon support | GABRIEL ALONSO NUÑEZ Verde Y. Miki-Yoshida M. et al. | CATALYSIS TODAY | 2005 |
| 193 | Effect of sulfidation on Mo-W-Ni trimetallic catalysts in the HDS of DBT | SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ Gochi Y. et al. | CATALYSIS TODAY | 2005 |
| 194 | Synthesis of tetraalkylammonium thiometallate precursors and their concurrent in situ activation during hydrodesulfurization of dibenzothiophene | GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO Siadati M.H. et al. | APPLIED CATALYSIS A-GENERAL | 2004 |
| 195 | Activation of tetraalkylammonium thiotungstates for the preparation of Ni-promoted WS ₂ catalysts | GABRIEL ALONSO NUÑEZ Espino J. Berhault G. et al. | APPLIED CATALYSIS A-GENERAL | 2004 |



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Coordinación de Planeación, Evaluación y Simplificación de la Gestión Institucional



Reporte individual

GABRIEL ALONSO NUÑEZ

| | | | | |
|-----|--|--|---|------|
| 196 | Comparative study of MoS ₂ and Co/MoS ₂ catalysts prepared by ex situ/in situ activation of ammonium and tetraalkylammonium thiomolybdates | GABRIEL ALONSO NUÑEZ Alvarez L. Espino J. et al. | JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL | 2004 |
| 197 | WS ₂ catalysts from tetraalkyl thiotungstate precursors and their concurrent in situ activation during HDS of DBT | GABRIEL ALONSO NUÑEZ Chianelli R.R. | JOURNAL OF CATALYSIS | 2004 |
| 198 | Microstructural characterization on Ni-Mo catalyst synthesized by mechanical alloying | GABRIEL ALONSO NUÑEZ Estrada-Guel I. Ornelas C. et al. | Journal of Metastable and Nanocrystalline Materials | 2004 |
| 199 | Ni-Mo catalyst synthesized by mechanical alloying | GABRIEL ALONSO NUÑEZ Sosa M. Estrada-Guel I. et al. | Journal of Metastable and Nanocrystalline Materials | 2003 |
| 200 | Silica gel- and MCM-41-supported MoS ₂ catalysts for HDS reactions | ERIC MAURICIO RIVERA MUÑOZ GABRIEL ALONSO NUÑEZ Lardizabal D. et al. | CATALYSIS LETTERS | 2003 |
| 201 | Comparative study of WS ₂ and Co(Ni)/WS ₂ HDS catalysts prepared by ex situ/in situ activation of ammonium thiotungstate | SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ Espino J. et al. | CATALYSIS LETTERS | 2003 |
| 202 | Influence of oxidation and precursor on the morphology and catalytic properties of CoMoS/Al ₂ O ₃ -TiO ₂ for HDS | SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ Alvarez L. et al. | MICROSCOPY AND MICROANALYSIS | 2003 |
| 203 | Aqueous solution reaction to synthesize ammonium hexachloroplatinate and its crystallographic and thermogravimetric characterization | GABRIEL ALONSO NUÑEZ Verde-Gómez Y. Cervantes F. et al. | MATERIALS LETTERS | 2003 |
| 204 | Cobalt-molybdenum sulfide catalysts prepared by in situ activation of bimetallic (Co-Mo) alkylthiomolybdates | SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ Nava H. et al. | CATALYSIS LETTERS | 2003 |
| 205 | SEM characterization Ni-Mo catalyst synthesized by mechanical alloying | GABRIEL ALONSO NUÑEZ Estrada-Guel I. Ornelas C. et al. | MICROSCOPY AND MICROANALYSIS | 2003 |
| 206 | Mesoporous carbon-containing MoS ₂ materials formed from the in situ decomposition of tetraalkylammonium thiomolybdates | GABRIEL ALONSO NUÑEZ ERIC MAURICIO RIVERA MUÑOZ SERGIO FUENTES MOYADO et al. | MATERIALS RESEARCH BULLETIN | 2003 |



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Reporte individual

GABRIEL ALONSO NUÑEZ

| | | | | |
|-----|--|--|--|------|
| 20 | HRTEM, Synchrotron, and Simulation | SERGIO FUENTES MOYADO GABRIEL | Acs Division Of | 2003 |
| 7 | Techniques Applied to Activity and Selectivity Correlation in Hydrodesulfurization Catalysts | ALONSO NUÑEZ Chianelli R.R. et al. | Fuel Chemistry, Preprints | |
| 20 | Characterization and HDS activity of mesoporous MoS ₂ catalysts prepared by in situ activation of tetraalkylammonium thiomolybdates | GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO Berhault G. et al. | JOURNAL OF CATALYSIS | 2002 |
| 20 | Synthesis and characterization of tetraalkylammonium thiomolybdates and thiotungstates in aqueous solution | GABRIEL ALONSO NUÑEZ Berhault G. Chianelli R.R. | INORGANICA CHIMICA ACTA | 2001 |
| 210 | Synthesis of tetraalkylammonium thiometallates in aqueous solution | GABRIEL ALONSO NUÑEZ Yang J. Siadati M.H. et al. | INORGANICA CHIMICA ACTA | 2001 |
| 211 | Catalytic Study of WS ₂ Undergoing Electron Irradiation | DONALD HOMERO GALVAN MARTINEZ GABRIEL ALONSO NUÑEZ ESBAIDE ADEM CHAHIN et al. | JOURNAL OF CATALYSIS | 2000 |
| 212 | Preparation of WS ₂ catalysts by in situ decomposition of tetraalkylammonium thiotungstates | GABRIEL ALONSO NUÑEZ VITALI PETRANOVSKI AFANASIEVNA SERGIO FUENTES MOYADO et al. | APPLIED CATALYSIS A-GENERAL | 2000 |
| 213 | Comparing the DBT conversion by using crystalline WS ₂ and WS ₂ electron irradiated catalyst | GABRIEL ALONSO NUÑEZ ESBAIDE ADEM CHAHIN SERGIO FUENTES MOYADO et al. | Materials Research Society Symposium Proceedings | 1999 |
| 214 | Catalytic properties of WS ₂ catalysts prepared by in situ decomposition of tetraalkyl-ammonium thiotungstates | GABRIEL ALONSO NUÑEZ VITALI PETRANOVSKI AFANASIEVNA SERGIO FUENTES MOYADO et al. | STUD SURF SCI CATAL | 1999 |
| 215 | Preparation of MoS ₂ and WS ₂ catalysts by in situ decomposition of ammonium thiosalts | GABRIEL ALONSO NUÑEZ VITALI PETRANOVSKI AFANASIEVNA SERGIO FUENTES MOYADO et al. | CATALYSIS LETTERS | 1998 |
| 216 | Experimental and theoretical studies of microstructural instabilities in WS ₂ undergoing electron irradiation | DONALD HOMERO GALVAN MARTINEZ GABRIEL ALONSO NUÑEZ Rangel R. | FULLERENE SCI TECHN | 1998 |
| 217 | Preparation of MoS ₂ catalysts by in situ decomposition of tetraalkylammonium thiomolybdates | GABRIEL ALONSO NUÑEZ VITALI PETRANOVSKI AFANASIEVNA SERGIO FUENTES MOYADO et al. | CATALYSIS TODAY | 1998 |
| 218 | Synthesis and characterization of tetraalkylammonium thiomolybdates and thiotungstates in aqueous solution | GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO Aguirre G. et al. | INORGANICA CHIMICA ACTA | 1998 |



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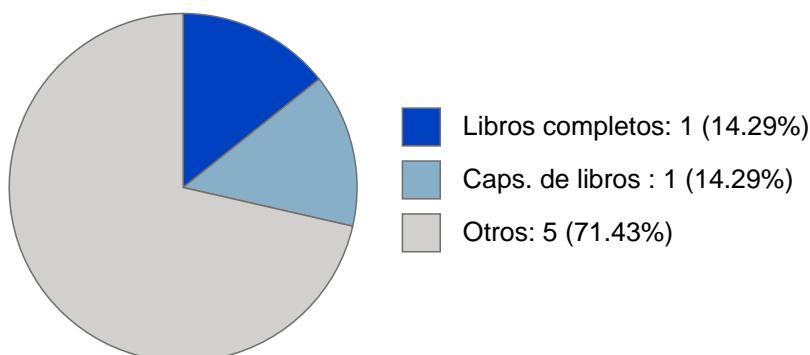


Reporte individual

GABRIEL ALONSO NUÑEZ

LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



| # | Título | Autores | Alcance | Año | ISBN |
|---|--|---|----------------------|------|---------------|
| 1 | El color de las letras | GABRIEL ALONSO NUÑEZ | Libro Completo | 2016 | 9786078360925 |
| 2 | ¿Como se usan los nanocatalizadores para producir combustibles fosiles limpios? | TRINO ARMANDO ZEPEDA PARTIDA GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO | Capítulo de un Libro | 2016 | 9786070281440 |
| 3 | Synthesis and characterization of trimetallic Ni(Co)-Mo-W HDS catalysts supported on Al-HMS substrates | ERIC MAURICIO RIVERA MUÑOZ GABRIEL ALONSO NUÑEZ Huirache-Acuña R. et al. | Conferencia e Paper | 2011 | 9780816910670 |
| 4 | Pt-Ru nanoparticles Supported on MWCNT as PEM fuel cell electrocatalysts | GABRIEL ALONSO NUÑEZ Valenzuela-Muñiz A.M. Miki-Yoshida M. et al. | Conferencia e Paper | 2009 | 9781439817834 |
| 5 | Characterization and synthesis of platinum nanoparticles for the electrochemical oxygen reduction reaction | GABRIEL ALONSO NUÑEZ Elizondo-Villarreal N. Gochi-Ponce Y. et al. | Conferencia e Paper | 2007 | 1420063421 |
| 6 | Friction reduction by water soluble tetraalkylammonium thiometallates | GABRIEL ALONSO NUÑEZ SERGIO JOAQUIN JIMENEZ SANDOVAL Chiñas-Castillo F. et al. | Conferencia e Paper | 2006 | 0791837890 |



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Reporte individual

GABRIEL ALONSO NUÑEZ

- 7 Aqueous deposition of metals on MWCNT SERGIO ALBERTO
to be used as electrocatalyst for PEM fuel GAMBOA SANCHEZ
cells MIGUEL AVALOS BORJA
GABRIEL ALONSO NUÑEZ
et al. Conferenc 2005 0791842096
e Paper



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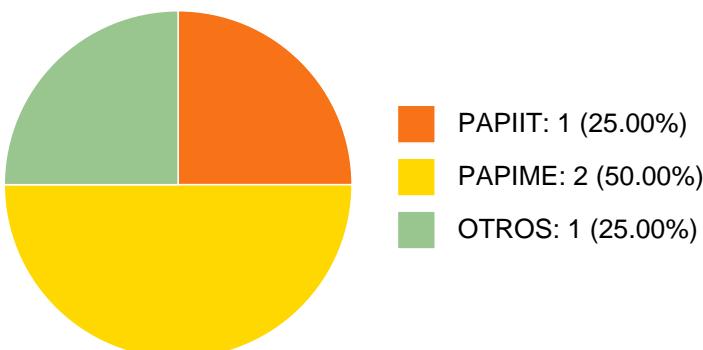


Reporte individual

GABRIEL ALONSO NUÑEZ

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



| # | Nombre | Participantes | Fuente | Fecha inicio | Fecha fin |
|---|---|----------------------|--|--------------|------------|
| 1 | Nanotecnología aplicada en el desarrollo de películas delgadas y prototipos de celdas solares. | GABRIEL ALONSO NUÑEZ | Otras Universidades, Centros o Institutos Nacionales | 03-12-2014 | 02-12-2018 |
| 2 | 4ta expo nanoemprendedores y premiación a los tres proyectos más innovadores | GABRIEL ALONSO NUÑEZ | Recursos PAPIME | 01-01-2019 | 31-12-2019 |
| 3 | 5ta Expo NanoEmprendedores y premiación a los tres proyectos más innovadores. | GABRIEL ALONSO NUÑEZ | Recursos PAPIME | 01-01-2020 | 31-12-2021 |
| 4 | Desarrollo de foto-electro-catalizadores a base de g-C3N4 decorado con nanopartículas bimetálicas (PtRu, PtIr, RuIr) para la reacción de evolución de oxígeno | GABRIEL ALONSO NUÑEZ | Recursos PAPIIT | 01-01-2022 | 31-12-2024 |



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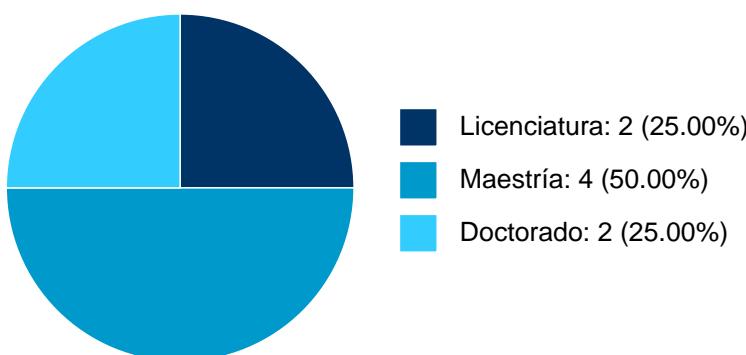


Reporte individual

GABRIEL ALONSO NUÑEZ

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



| # | Título del documento | Tipo de Tesis | Sinodales | Autores | Entidad | Año |
|---|--|-----------------------|-----------------------|------------------------------------|---|------|
| 1 | Síntesis y caracterización de nuevos materiales utilizando radiación infrarroja en la amidación de nanotubos funcionalizados con grupos carboxílicos de mono y multipared utilizando parafenildeiamina y dietilentriam | Tesis de Maestría | GABRIEL ALONSO NUÑEZ, | Hernández Lima, Roberto Israel, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2022 |
| 2 | Síntesis, caracterización y estudio por primeros principios de nanotubos de carbono de multipared codopados con boro y nitrógeno BN-MWCNT | Tesis de Licenciatura | GABRIEL ALONSO NUÑEZ, | López Ángeles, Christian Emmanuel, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2020 |
| 3 | Nuevos compuestos tiotungstatos como precursores catalíticos para la hidrodesulfuración | Tesis de Licenciatura | GABRIEL ALONSO NUÑEZ, | Hernández Lima, Roberto Israel, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2019 |



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GABRIEL ALONSO NUÑEZ

| | | | | | | |
|---|--|--------------------|-----------------------|--------------------------------------|---|------|
| 4 | Nanoestructuras de pt-m/tio2/ntc (m= fe, ni, co) con aplicación en celdas de combustible de metanol directo | Tesis de Doctorado | GABRIEL ALONSO NUÑEZ, | Bedolla Valdez, Zaira Itzel, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2016 |
| 5 | Efecto de la incorporación de mn, fe, co y ni en nanopartículas de pt para la reacción de electro?oxidación de metanol | Tesis de Doctorado | GABRIEL ALONSO NUÑEZ, | Rodriguez Barreras, Jassiel Rolando, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2015 |
| 6 | Síntesis y estudio morfológico de nanopartículas de oro soportadas en nanotubos de carbono para el desarrollo de sensores biomoleculares | Tesis de Maestría | GABRIEL ALONSO NUÑEZ, | Castiello Flores, Francisco Rafael, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2013 |
| 7 | Funcionalización de nanotubos de carbono con b-ciclodextrina para aplicaciones en farmacología | Tesis de Maestría | GABRIEL ALONSO NUÑEZ, | Guerra López, Elizabeth Danae, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2013 |
| 8 | Síntesis de nanotubos de carbono a partir de nuevos precursores órgano-metálicos de Co y Ni, con aplicaciones electroquímicas | Tesis de Maestría | GABRIEL ALONSO NUÑEZ, | Belman Rodríguez, Carlos, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2013 |



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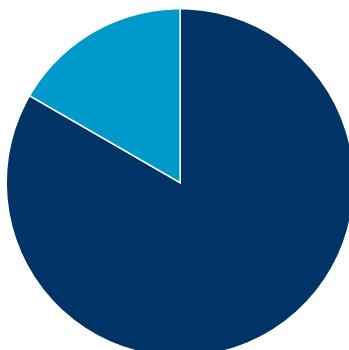


Reporte individual

GABRIEL ALONSO NUÑEZ

DOCENCIA IMPARTIDA

Histórico de docencia



Licenciatura: 20 (83.33%)

Maestría: 4 (16.67%)

| # | Nivel titulación | Asignatura | Entidad | Alumnos | Semestre |
|---|------------------|---------------------------------|--|---------|----------|
| 1 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 9 | 2023-2 |
| 2 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 9 | 2023-2 |
| 3 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 11 | 2022-2 |
| 4 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 13 | 2022-2 |
| 5 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 14 | 2021-2 |
| 6 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 14 | 2021-2 |
| 7 | Licenciatura | OPTICA | Centro de Nanociencias y Nanotecnología en la UNAM | 11 | 2020-2 |



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|----|--------------|---------------------------------|--|----|--------|
| 8 | Licenciatura | OPTICA | Centro de Nanociencias y Nanotecnología en la UNAM | 12 | 2020-2 |
| 9 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 13 | 2019-2 |
| 10 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 13 | 2019-2 |
| 11 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 11 | 2018-2 |
| 12 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 14 | 2018-2 |
| 13 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 14 | 2017-2 |
| 14 | Licenciatura | NANOMATERIALES I: SINTESIS | Centro de Nanociencias y Nanotecnología en la UNAM | 7 | 2017-1 |
| 15 | Licenciatura | NANOMATERIALES I: SINTESIS | Centro de Nanociencias y Nanotecnología en la UNAM | 3 | 2015-1 |
| 16 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 15 | 2014-2 |
| 17 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 17 | 2014-2 |
| 18 | Licenciatura | NANOMATERIALES I: SINTESIS | Centro de Nanociencias y Nanotecnología en la UNAM | 10 | 2014-1 |
| 19 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 11 | 2013-2 |
| 20 | Licenciatura | QUIMICA DE COMPUESTOS ORGANICOS | Centro de Nanociencias y Nanotecnología en la UNAM | 11 | 2012-2 |
| 21 | Maestría | NANOTECNOLOGIA Y NANOMATERIALES | Instituto de Investigaciones en Materiales | 3 | 2012-1 |



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| | | | | | |
|----|----------|--|--|---|--------|
| 22 | Maestría | NANOTECNOLOGIA Y NANOMATERIALES | Instituto de Investigaciones en Materiales | 1 | 2011-2 |
| 23 | Maestría | TEMAS SELECTOS DE MATERIALES CERAMICOS | Instituto de Investigaciones en Materiales | 3 | 2011-1 |
| 24 | Maestría | TEMAS SELECTOS DE CARACTERIZACION DE MATERIALES (OPTATIVA) | Instituto de Investigaciones en Materiales | 1 | 2009-2 |



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Reporte individual

GABRIEL ALONSO NUÑEZ

PATENTES

| # | Título | Inventores | Sección | Año |
|---|---|---|---|------|
| 1 | CATALIZADORES SOPORTADOS PARA LA PRODUCCION DE COMBUSTIBLES DE ULTRA-BAJO AZUFRE. | SERGIO FUENTES MOYADO, ELENA SMOLENTESEVA, GABRIEL ALONSO NUÑEZ, et al. | CHEMISTRY; METALLURGY; PERFORMING OPERATIONS; TRANSPORTING | 2017 |



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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 |