



Sistema Integral de Información Académica

Coordinación de Planeación, Evaluación y Simplificación de la Gestión Institucional

Reporte individual



SERGIO FUENTES MOYADO

Datos Generales

Nombre: SERGIO FUENTES MOYADO

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 41 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo

Centro de Nanociencias y Nanotecnología en la UNAM

Desde 01-01-2008 (fecha inicial de registros en el SIIA)

Estímulos, programas, premios y reconocimientos

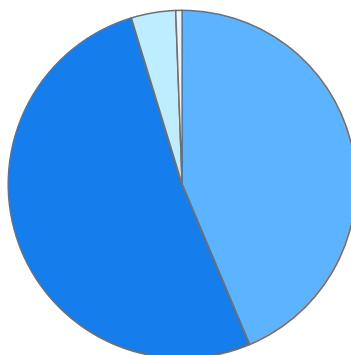
SNI III - VIGENTE

PRIDE D - 2024

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



- █ WoS: 148 (43.66%)
- █ Scopus : 175 (51.62%)
- █ WoS y Scopus: 14 (4.13%)
- █ Otras fuentes: 2 (0.59%)

| # | Título | Autores | Revista | Año |
|---|--|---|-----------------------------------|------|
| 1 | Improving the Catalytic Selectivity of Reverse Water-Gas Shift Reaction Catalyzed by Ru/CeO ₂ Through the Addition of Yttrium Oxide | ALFREDO SOLIS GARCIA KARINA PORTILLO CORTEZ DAVID ALEJANDRO DOMINGUEZ VARGAS et al. | CATALYSTS | 2025 |
| 2 | Investigating patterns in aluminum distribution and stability in mordenite zeolite structure: Analysis and theoretical conclusions from existing experimental data | JOEL ANTUNEZ GARCIA VITALI PETRANOVSKI AFANASIEVNA FABIAN NATANAEL MURRIETA RICO et al. | JOURNAL OF SOLID STATE CHEMISTRY | 2024 |
| 3 | Antimicrobial and Virus Adsorption Properties of Y-Zeolite Exchanged with Silver and Zinc Cations | SERGIO FUENTES MOYADO ELENA SMOLENTSEVA Perla Sanchez-Lopez et al. | Acs Omega | 2024 |
| 4 | Synthesis and characterization of Fe ₃ O ₄ core nanoparticles coated with TiO ₂ and ZnO | JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO Duran-Toscano A.A. et al. | Nano-Structure s and Nano-Objects | 2024 |
| 5 | Photocatalytic Activity of Ag Nanoparticles Deposited on Thermoexfoliated g-C ₃ N ₄ | KARINA PORTILLO CORTEZ URIEL CAUDILLO FLORES ELENA SMOLENTSEVA et al. | NANOMATERIAL S | 2024 |



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| 6 | The role of Ga and Y on binary Al ₂ O ₃ -Y ₂ O ₃ and Al ₂ O ₃ -Ga ₂ O ₃ mixed oxides nanoparticles towards potential Ni water-gas shift catalysts | ALFREDO SOLIS GARCIA SERGIO FUENTES MOYADO RODRIGO PONCE PEREZ et al. | Nano-Structures and Nano-Objects | 2024 |
| 7 | Systematic analysis of the gallium ions and structure-directing agents in the preparation of NiW HDS catalysts over mixed oxides of Al ₂ O ₃ -TiO ₂ | LEONARDO MORALES DE LA GARZA SERGIO FUENTES MOYADO M. A. Guzman-Cruz et al. | MATERIALS RESEARCH EXPRESS | 2024 |
| 8 | Direct obtaining of pure anatase TiO ₂ nanostructures, characterization, size-tuning, and applications | DAVID ALEJANDRO DOMINGUEZ VARGAS URIEL CAUDILLO FLORES SERGIO FUENTES MOYADO et al. | Nano-Structures and Nano-Objects | 2024 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | NiMoS nanocubes for the selective removal of sulfur from 3-methyl-thiophene | JORGE NOE DIAZ DE LEON HERNANDEZ LEONARDO MORALES DE LA GARZA SERGIO FUENTES MOYADO et al. | APPLIED CATALYSIS A-GENERAL | 2023 |
| 13 | A theoretical study of the effect of exchange cations in surface of ZSM-5 lamellar zeolites | ROSARIO ISIDRO YOCUPICIO GAXIOLA VITALI PETRANOVSKI AFANASIEVNA SERGIO FUENTES MOYADO et al. | JOURNAL OF SOLID STATE CHEMISTRY | 2023 |
| 14 | 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 |
| 15 | Mordenite-Supported Ag ⁺ -Cu ²⁺ -Zn ²⁺ Trimetallic System: A Variety of Nanospecies Obtained via Thermal Reduction in Hydrogen Followed by Cooling in an Air or Hydrogen Atmosphere | VITALI PETRANOVSKI AFANASIEVNA FELIPE FRANCISCO CASTILLON BARRAZA SERGIO FUENTES MOYADO et al. | Materials | 2023 |



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| 16 | Green Thermo-Photo Catalytic Production of Syngas Using Pd/Nb-TiO ₂ Catalysts | URIEL CAUDILLO FLORES SERGIO FUENTES MOYADO Sayago R. et al. | ACS SUSTAINABLE CHEMISTRY & ENGINEERING | 2023 |
| 17 | Influence of the Valence of Iron on the NO Reduction by CO over Cu-Fe-Mordenite | YULIA KOTOLEVICH TRINO ARMANDO ZEPEDA PARTIDA ROSARIO ISIDRO YOCUPICIO GAXIOLA et al. | CATALYSTS | 2023 |
| 18 | Effect of niobium on the performance of Pd-TiO ₂ photocatalysts for hydrogen production | URIEL CAUDILLO FLORES SERGIO FUENTES MOYADO Fernández-García M. et al. | CATALYSIS TODAY | 2023 |
| 19 | Boosting oxygen activation in ceria-oxide via gallium addition | TRINO ARMANDO ZEPEDA PARTIDA RODRIGO PONCE PEREZ ALFREDO SOLIS GARCIA et al. | APPLIED CATALYSIS B-ENVIRONMENTAL | 2023 |
| 20 | 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 |
| 21 | Nanomaterials at the forefront against the virus SARS-CoV-2 | SERGIO FUENTES MOYADO VITALI PETRANOVSKI AFANASIEVNA ELENA SMOLENTESEVA et al. | CIENCIA ERGO-SUM | 2022 |
| 22 | Influence of Components Deposition Order on Silver Species Formation in Bimetallic Ag-Fe System Supported on Mordenite | YULIA KOTOLEVICH JOEL ANTUNEZ GARCIA VITALI PETRANOVSKI AFANASIEVNA et al. | CATALYSTS | 2022 |
| 23 | 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 |
| 24 | Editorial | JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO et al. | CATALYSIS TODAY | 2022 |
| 25 | Characterization and photocatalytic activity of TiO ₂ nanoparticles on cotton fabrics, for antibacterial masks | MARCO ANTONIO ALVAREZ AMPARAN LUIS CEDEÑO CAERO RUBEN DARIO CADENA NAVA et al. | Applied Nanoscience | 2022 |
| 26 | Aluminum distribution in mordenite-zeolite framework: A new outlook based on density functional theory calculations | JOEL ANTUNEZ GARCIA DONALD HOMERO GALVAN MARTINEZ VITALI PETRANOVSKI AFANASIEVNA et al. | JOURNAL OF SOLID STATE CHEMISTRY | 2022 |
| 27 | Hydrothermal synthesis of bulk Ni impregnated WO ₃ -2D layered structures as catalysts for the desulfurization of 3-methyl thiophene | GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO JORGE NOE DIAZ DE LEON HERNANDEZ et al. | Chemical Engineering Journal Advances | 2022 |

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| 28 | Effect of sulfidation conditions on the unsupported flower-like bimetallic oxide microspheres for the hydrodesulfurization of dibenzothiophene | JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO Chowdari R.K. | CATALYSIS TODAY | 2022 |
| 29 | Insight into alcohol transformation over binary Al ₂ O ₃ -Y ₂ O ₃ mixed oxide nanoparticles | DAVID ALEJANDRO DOMINGUEZ VARGAS OSCAR EDEL CONTRERAS LOPEZ SERGIO FUENTES MOYADO et al. | APPLIED CATALYSIS B-ENVIRONMENTAL | 2022 |
| 30 | Analytical solution to Scholte's secular equation for isotropic elastic media | DONALD HOMERO GALVAN MARTINEZ JONATHAN GUERRERO SANCHEZ FABIAN NATANAEL MURRIETA RICO et al. | REVISTA MEXICANA DE FISICA | 2021 |
| 31 | The effect of shape and size of 1D and 0D titanium oxide nanorods in the photocatalytic degradation of red amaranth toxic dye | JORGE NOE DIAZ DE LEON HERNANDEZ DAVID ALEJANDRO DOMINGUEZ VARGAS JOSE MANUEL ROMO HERRERA et al. | Nano-Structures and Nano-Objects | 2021 |
| 32 | The effect of chemical composition on the properties of LTA zeolite: A theoretical study | JOEL ANTUNEZ GARCIA DONALD HOMERO GALVAN MARTINEZ VITALI PETRANOVSKI AFANASIEVNA et al. | COMPUTATIONAL MATERIALS SCIENCE | 2021 |
| 33 | Hydrodesulfurization of dibenzothiophene using novel unsupported FeMoS catalysts prepared by in-situ activation from Fe (III)-containing thiomolybdate salts | GABRIEL ALONSO NUÑEZ JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO et al. | REACTION KINETICS MECHANISMS AND CATALYSIS | 2021 |
| 34 | Recent Advances in Catalysis Based on Transition Metals Supported on Zeolites | YULIA KOTOLEVICH ROSARIO ISIDRO YOCUPICIO GAXIOLA JOEL ANTUNEZ GARCIA et al. | Frontiers in Chemistry | 2021 |
| 35 | Template-free, facile synthesis of nickel promoted multi-walled MoS ₂ & nano-bricks containing hierarchical MoS ₂ nanotubes from the bulk NiMo oxide | JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO Ramesh Kumar Chowdari | APPLIED CATALYSIS B-ENVIRONMENTAL | 2021 |
| 36 | Enhanced CO ₂ Hydrogenation to C ₂ + Hydrocarbons over Mesoporous x%Fe ₂ O ₃ -Al ₂ O ₃ Catalysts | TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO De La Rosa-Priego F.A. et al. | INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH | 2021 |
| 37 | 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 |



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| 38 | 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 |
| 39 | Unsupported CoNiMo sulfide hydrodesulfurization catalysts prepared by the thermal decomposition of trimetallic tetrabutylammonium thiomolybdate: effect of nickel on sulfur removal | RAFAEL HUIRACHE ACUÑA JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO et al. | REACTION KINETICS MECHANISMS AND CATALYSIS | 2020 |
| 40 | Properties of iron-modified-by-silver supported on mordenite as catalysts for nox reduction | MIGUEL ANGEL ESTRADA ARREOLA SERGIO FUENTES MOYADO VITALI PETRANOVSKI AFANASIEVNA et al. | CATALYSTS | 2020 |
| 41 | Local structures of two-dimensional zeolites?mordenite and ZSM-5?probed by multinuclear NMR | FABIAN NATANAEL MURRIETA RICO DONALD HOMERO GALVAN MARTINEZ VITALI PETRANOVSKI AFANASIEVNA et al. | Molecules | 2020 |
| 42 | Noble metals supported on binary ?-Al ₂ O ₃ -a-Ga ₂ O ₃ oxide as potential low-temperature water-gas shift catalysts | JORGE NOE DIAZ DE LEON HERNANDEZ TRINO ARMANDO ZEPEDA PARTIDA DAVID ALEJANDRO DOMINGUEZ VARGAS et al. | Fuel | 2020 |
| 43 | Mechanism of formation of framework Fe ³⁺ in bimetallic Ag-Fe mordenites - Effective catalytic centers for deNO _x reaction | VITALI PETRANOVSKI AFANASIEVNA SERGIO FUENTES MOYADO Shelyapina M.G. et al. | MICROPOROUS AND MESOPOROUS MATERIALS | 2020 |
| 44 | Single step and template-free synthesis of Dandelion flower-like core-shell architectures of metal oxide microspheres: Influence of sulfidation on particle morphology & hydrodesulfurization performance | JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO Ramesh Kumar Chowdari | APPLIED CATALYSIS B-ENVIRONMENTAL | 2020 |
| 45 | 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 |
| 46 | Bimetallic AgFe systems on mordenite: Effect of cation deposition order in the NO reduction with C ₃ H ₆ /CO | SERGIO FUENTES MOYADO VITALI PETRANOVSKI AFANASIEVNA Sánchez-López P. et al. | CATALYSTS | 2019 |
| 47 | Analysis of theoretical and experimental X-ray diffraction patterns for distinct mordenite frameworks | SERGIO FUENTES MOYADO DONALD HOMERO GALVAN MARTINEZ VITALI PETRANOVSKI AFANASIEVNA et al. | JOURNAL OF MATERIALS SCIENCE | 2019 |

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| 48 | Recent insights in transition metal sulfide hydrodesulfurization catalysts for the production of ultra low sulfur diesel: A short review | JORGE NOE DIAZ DE LEON HERNANDEZ JOEL ANTUNEZ GARCIA SERGIO FUENTES MOYADO et al. | CATALYSTS | 2019 |
| 49 | The Decoration of Gold Core in Au@ZrO ₂ Nanoreactors with Trace Amounts of Pd for the Effective Reduction of 4-Nitrophenol to 4-Aminophenol | BRENDA JEANNETH ACOSTA RUELAS SERGIO FUENTES MOYADO ANDREY SIMAKOV et al. | CATALYSIS LETTERS | 2019 |
| 50 | 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 QUÍMICA | 2019 |
| 51 | 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 |
| 52 | One-pot synthesis of lamellar mordenite and ZSM-5 zeolites and subsequent pillaring by amorphous SiO ₂ | VITALI PETRANOVSKI AFANASIEVNA SERGIO FUENTES MOYADO Yocupicio-Gaxiola R.I. et al. | Applied Nanoscience | 2019 |
| 53 | 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 |
| 54 | Theoretical study of the effect of isomorphous substitution by Al ³⁺ and/or Fe ³⁺ cations to tetrahedral positions in the framework of a zeolite with erionite topology | DONALD HOMERO GALVAN MARTINEZ VITALI PETRANOVSKI AFANASIEVNA FABIAN NATANAEL MURRIETA RICO et al. | JOURNAL OF MATERIALS SCIENCE | 2019 |
| 55 | Hydrodesulfurization activity of Ni-containing unsupported Ga(x)WS ₂ catalysts | TRINO ARMANDO ZEPEDA PARTIDA JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ et al. | CATALYSIS COMMUNICATIONS | 2019 |
| 56 | Synthesis of Aluminium Doped Na-Titanate Nanorods and Its Application as Potential CO ₂ Hydrogenation Catalysts | DAVID ALEJANDRO DOMINGUEZ VARGAS TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO et al. | CATALYSIS LETTERS | 2019 |
| 57 | Comprehensive Analysis of the Copper Exchange Implemented in Ammonia and Protonated Forms of Mordenite Using Microwave and Conventional Methods | VITALI PETRANOVSKI AFANASIEVNA SERGIO FUENTES MOYADO Shelyapina M.G. et al. | Molecules | 2019 |

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| 58 | The unexpected effect of vacancies and wrinkling on the electronic properties of MoS ₂ layers | SERGIO FUENTES MOYADO TRINO ARMANDO ZEPEDA PARTIDA Negreiros F.R. et al. | PHYSICAL CHEMISTRY CHEMICAL PHYSICS | 2019 |
| 59 | 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 |
| 60 | Oxidative dehydrogenation of n-octane over Mg-containing SBA-15 material | FELIPE FRANCISCO CASTILLON BARRAZA SERGIO FUENTES MOYADO TRINO ARMANDO ZEPEDA PARTIDA et al. | MATERIALS RESEARCH INNOVATIONS | 2018 |
| 61 | Effect of partial Mo substitution by W on HDS activity using sulfide CoMoW/Al ₂ O ₃ -TiO ₂ catalysts | JORGE NOE DIAZ DE LEON HERNANDEZ SERGIO FUENTES MOYADO GABRIEL ALONSO NUÑEZ et al. | Fuel | 2018 |
| 62 | Support effects of NiW hydrodesulfurization catalysts from experiments and DFT calculations | JORGE NOE DIAZ DE LEON HERNANDEZ GABRIEL ALONSO NUÑEZ TRINO ARMANDO ZEPEDA PARTIDA et al. | APPLIED CATALYSIS B-ENVIRONMENTAL | 2018 |
| 63 | Preparation and evaluation of NiCoMo hydrodesulfurization catalysts supported over a binary zeolite(beta)-KIT-6 siliceous material | JORGE NOE DIAZ DE LEON HERNANDEZ TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO et al. | REVISTA MEXICANA DE INGENIERIA QUIMICA | 2018 |
| 64 | EFFECT OF ALKALINITY VARIATION IN GEL COMPOSITION DEVELOPED FOR HIERARCHICAL ZSM-5 GROWTH: CONVERSION OF ZSM-5 TO MORDENITE | VITALI PETRANOVSKI AFANASIEVNA TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO et al. | REVISTA MEXICANA DE INGENIERIA QUIMICA | 2018 |
| 65 | STUDY OF CoMo CATALYSTS SUPPORTED ON HIERARCHICAL MESOPOROUS ZEOLITES FOR HYDRODESULFURIZATION OF DIBENZOTIOPHENE | TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO Yocupicio, R. I. et al. | REVISTA MEXICANA DE INGENIERIA QUIMICA | 2017 |
| 66 | 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 |
| 67 | Low-Dimensional ReS ₂ /C Composite as Effective Hydrodesulfurization Catalyst | TRINO ARMANDO ZEPEDA PARTIDA GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO et al. | CATALYSTS | 2017 |
| 68 | Study of CoMo catalysts supported on hierarchical mesoporous zeolites for hydrodesulfurization of dibenzothiophene | JORGE NOE DIAZ DE LEON HERNANDEZ TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO et al. | REVISTA MEXICANA DE INGENIERIA QUIMICA | 2017 |

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| 69 | 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 |
| 70 | 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 |
| 71 | 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 |
| 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 |
| 73 | Au20Pd1@SiO ₂ nanoreactors highly effective in CO oxidation | SERGIO FUENTES MOYADO ELENA SMOLENTSEVA ANDREY SIMAKOV et al. | INTERNATIONAL JOURNAL OF NANOTECHNOLOGY | 2016 |
| 74 | CO oxidation over gold nanoparticles on Mg(OH) ₂ and MgO subjected to different redox treatments | ELENA SMOLENTSEVA SERGIO FUENTES MOYADO ANDREY SIMAKOV et al. | INTERNATIONAL JOURNAL OF NANOTECHNOLOGY | 2016 |
| 75 | Electronic properties of 1H-MoS ₂ clusters grown on graphene oxide | Donald Homero Galvan SERGIO FUENTES MOYADO Estrada-Cruz, Juan F. del R. et al. | INTERNATIONAL JOURNAL OF NANOTECHNOLOGY | 2016 |
| 76 | Synthesis of highly destacked ReS ₂ layers embedded in amorphous carbon from a metal-organic precursor | GABRIEL ALONSO NUÑEZ Zaira I. Bedolla Valdez MARIO HUMBERTO FARIAS SANCHEZ et al. | JOURNAL OF NON-CRYSTALLINE SOLIDS | 2016 |
| 77 | NiW/MgO-TiO ₂ catalysts for dibenzothiophene hydrodesulfurization: Effect of preparation method | TRINO ARMANDO ZEPEDA PARTIDA SERGIO FUENTES MOYADO Cruz Perez, Alida Elizabeth et al. | CATALYSIS TODAY | 2016 |
| 78 | 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 |
| 79 | Methanol dehydrogenation and oxidation on PtI?XNiX/CNTs at low temperature: Effect of Ni addition | SERGIO FUENTES MOYADO JOSE MANUEL ROMO HERRERA GABRIEL ALONSO NUÑEZ et al. | RENEWABLE ENERGY | 2016 |
| 80 | DFT study of composites formed by M ₂ metallic clusters (M = Ni, Cu, Fe and Au) embedded in faujasite | DONALD HOMERO GALVAN MARTINEZ ELENA SMOLENTSEVA VITALI PETRANOVSKI AFANASIEVNA et al. | RSC ADVANCES | 2016 |

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| 81 | Influence of the sulfidation temperature in a NiMoW catalyst derived from layered structure (NH ₄)Ni ₂ OH(H ₂ O)(MoO ₄) ₂ | GABRIEL ALONSO NUÑEZ SERGIO FUENTES MOYADO Amaya, Sandra L. et al. | Fuel | 2015 |
| 82 | Insight of 1D -Al ₂ O ₃ -nanorods decoration by NiWS nanoslabs in ultra-deep hydrodesulfurization catalyst | J. N. Diaz de Leon TRINO ARMANDO ZEPEDA PARTIDA GABRIEL ALONSO NUÑEZ et al. | JOURNAL OF CATALYSIS | 2015 |
| 83 | Highly active Au-CeO ₂ @ZrO ₂ yolk-shell nanoreactors for the reduction of 4-nitrophenol to 4-aminophenol | ELENA SMOLENTESEVA SERGIO FUENTES MOYADO ANDREY SIMAKOV et al. | APPLIED CATALYSIS B-ENVIRONMENTAL | 2015 |
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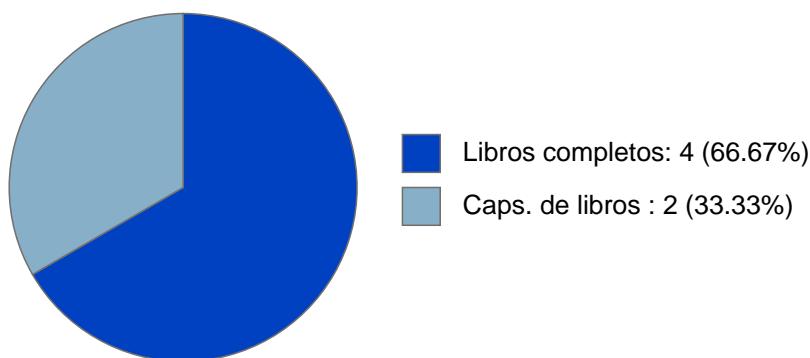


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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



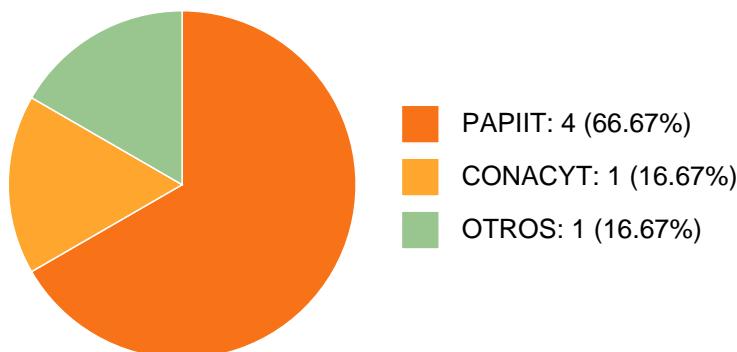
| # | Título | Autores | Alcance | Año | ISBN |
|---|--|--|-------------------------|------|---------------|
| 1 | Catalizadores | GABRIELA ALICIA DIAZ GUERRERO SERGIO FUENTES MOYADO | Libro Completo | 2016 | 9786071638502 |
| 2 | Catalizadores | GABRIELA ALICIA DIAZ GUERRERO SERGIO FUENTES MOYADO | Libro Completo | 2016 | 9786071638830 |
| 3 | ¿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 |
| 4 | Grandes retos del siglo XXI | SERGIO FUENTES MOYADO ROSAURA RUIZ GUTIERREZ | Libro Completo | 2014 | 9786070251320 |
| 5 | Grandes retos del siglo XXI | SERGIO FUENTES MOYADO ROSAURA RUIZ GUTIERREZ | Libro Completo | 2014 | 9786070252587 |
| 6 | Ceria-zirconia-alumina mixed oxides prepared by the organic-free sol-gel technique | VITALI PETRANOVSKI AFANASIEVNA SERGIO FUENTES MOYADO Frolova E. et al. | Capítulo de un Libro | 2005 | 9789812701879 |

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SERGIO FUENTES MOYADO

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



| # | Nombre | Participantes | Fuente | Fecha inicio | Fecha fin |
|---|--|-----------------------|---|--------------|------------|
| 1 | Desarrollo de catalizadores soportados para la producción de combustibles de ultra bajo azufre. | SERGIO FUENTES MOYADO | Recursos CONACYT, Sector Público (Federal, Estatal o Municipal) | 23-06-2015 | 29-01-2021 |
| 2 | Síntesis y estudio teórico/experimental de zeolitas laminares pilareadas con óxidos variables: MFI, MOR, HEU, BEA. | SERGIO FUENTES MOYADO | Recursos PAPIIT | 01-01-2020 | 31-12-2022 |
| 3 | Preparación de máscaras de protección contra el virus SARS-CoV-2 causante de la enfermedad COVID-19. | SERGIO FUENTES MOYADO | Recursos PAPIIT | 01-01-2021 | 31-12-2023 |
| 4 | Desarrollo de catalizadores soportados para la producción de combustibles de ultra bajo azufre. | SERGIO FUENTES MOYADO | Recursos CONAHCyT | 29-07-2015 | 29-12-2023 |
| 5 | Preparación de máscaras de protección contra el virus SARS-CoV-2 causante de la enfermedad COVID-19 | SERGIO FUENTES MOYADO | Recursos PAPIIT | 01-01-2021 | 31-12-2023 |
| 6 | Nanocompositos con actividad antimicrobiana contra "superbugs" | SERGIO FUENTES MOYADO | Recursos PAPIIT | 01-01-2024 | 31-12-2026 |



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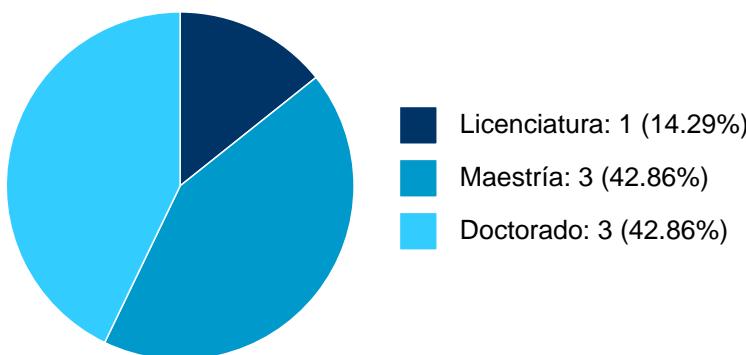


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SERGIO FUENTES MOYADO

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



| # | Título del documento | Tipo de Tesis | Sinodales | Autores | Entidad | Año |
|---|---|-----------------------|------------------------|--|---|------|
| 1 | Estudio de la interacción Fe-Ag en la estructura mordenita y su influencia en la actividad catalítica de reducción de NO | Tesis de Doctorado | SERGIO FUENTES MOYADO, | Sánchez López, Perla Jazmín, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2019 |
| 2 | Síntesis de catalizadores NiMoWAI a partir de precursores tipo hidrotalcita aplicados a la reacción de hidrodesulfuración de dibenzotiofeno | Tesis de Doctorado | SERGIO FUENTES MOYADO, | Pérez Cabrera, Luis, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2018 |
| 3 | Síntesis de catalizadores como en zeolitas con estructura jerárquica para hidrotratamiento | Tesis de Doctorado | SERGIO FUENTES MOYADO, | TRINO ARMANDO ZEPEDA PARTIDA, Yocupicio Gaxiola, Rosario Isidro, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2017 |
| 4 | Síntesis y caracterización de catalizadores de Co-Mo y Ni-Mo para hds soportados sobre nanobastones de aluminia | Tesis de Licenciatura | SERGIO FUENTES MOYADO, | Pano Paniagua, Erick Daniel, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2015 |

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SERGIO FUENTES MOYADO

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|---|---|-------------------|------------------------|------------------------------------|---|------|
| 5 | Síntesis y estudio de sistemas bimetálicos ag:fe soportados en zeolitas mor y fer | Tesis de Maestría | SERGIO FUENTES MOYADO, | Sánchez López, Perla Jazmin, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2014 |
| 6 | Estudio de la hidrodesulfuración de dibenzotiofeno sobre Co/Mo soportado en alúmina convencional modificada con fósforo | Tesis de Maestría | SERGIO FUENTES MOYADO, | Torres Otáñez, Gildardo, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2012 |
| 7 | Catalizadores de Pt y Pd soportados sobre óxidos de Ce-Zr-La en alúmina para reducción de NO | Tesis de Maestría | SERGIO FUENTES MOYADO, | Yocupicio Gaxiola, Rosario Isidro, | Centro de Nanociencias y Nanotecnología en la UNAM, | 2010 |



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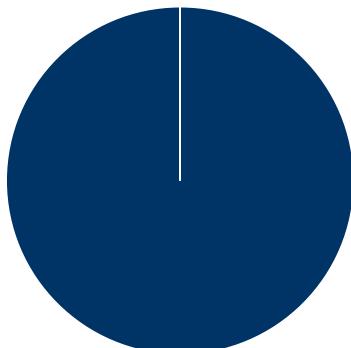


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SERGIO FUENTES MOYADO

DOCENCIA IMPARTIDA

Histórico de docencia



Licenciatura: 8 (100.00%)

| # | Nivel titulación | Asignatura | Entidad | Alumnos | Semestre |
|---|------------------|---------------|--|---------|----------|
| 1 | Licenciatura | NANOCATALISIS | Centro de Nanociencias y Nanotecnología en la UNAM | 6 | 2024-1 |
| 2 | Licenciatura | NANOCATALISIS | Centro de Nanociencias y Nanotecnología en la UNAM | 4 | 2023-1 |
| 3 | Licenciatura | NANOCATALISIS | Centro de Nanociencias y Nanotecnología en la UNAM | 6 | 2022-1 |
| 4 | Licenciatura | NANOCATALISIS | Centro de Nanociencias y Nanotecnología en la UNAM | 7 | 2021-1 |
| 5 | Licenciatura | NANOCATALISIS | Centro de Nanociencias y Nanotecnología en la UNAM | 5 | 2020-1 |
| 6 | Licenciatura | NANOCATALISIS | Centro de Nanociencias y Nanotecnología en la UNAM | 4 | 2019-1 |
| 7 | Licenciatura | NANOCATALISIS | Centro de Nanociencias y Nanotecnología en la UNAM | 6 | 2018-1 |
| 8 | Licenciatura | NANOCATALISIS | Centro de Nanociencias y Nanotecnología en la UNAM | 3 | 2017-2 |



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SERGIO FUENTES MOYADO

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 |
| 2 | METODO DE OBTENCION DE UN MATERIAL COMPUESTO DE ALUMINOSILICATO QUE CONTIENE ALUMINA Y NANOZEOLITA. | SERGIO FUENTES MOYADO, | CHEMISTRY; METALLURGY; PERFORMING OPERATIONS; TRANSPORTING | 2019 |



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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 |