ALVARO DE JESUS RUIZ BALTAZAR

Datos Generales

Nombre: ALVARO DE JESUS RUIZ BALTAZAR

Máximo nivel de estudios:

Antigüedad académica en la UNAM: años, meses, días

Nombramientos

Último: OTROS POSDOCTOR POSDOCTOR TC No Definitivo
Centro de Física Aplicada y Tecnología Avanzada
Desde 01-09-2015 hasta 01-10-2016

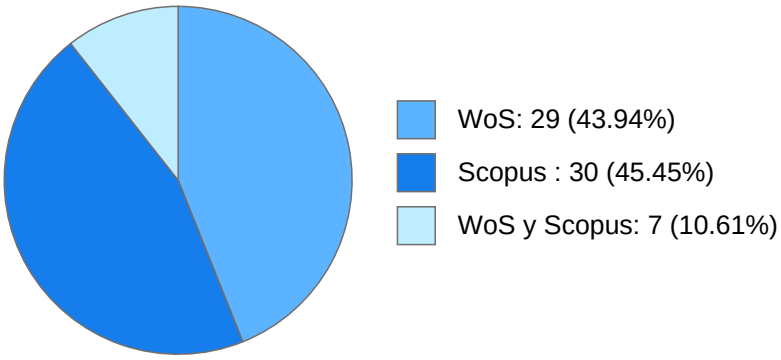
Estímulos, programas, premios y reconocimientos

No cuenta con estímulos, programas, premios y reconocimientos

ALVARO DE JESUS RUIZ BALTAZAR

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Composite electrodes made with SiO2/BiOx/MoOx/graphene-SiC for efficient supercapacitors able to operate at high (60?°C)/low (-2 °C) temperatures	ALVARO DE JESUS RUIZ BALTAZAR JORGE ROBERTO OLIVA UC Ojeda L. et al.	SYNTHETIC METALS	2027
2	WS2/MoS2/graphene composite for the fast photocatalytic degradation of recalcitrant dyes and pharmaceuticals under solar light	ALVARO DE JESUS RUIZ BALTAZAR JORGE ROBERTO OLIVA UC Esquivel-Castro T.A. et al.	CATALYSIS TODAY	2026
3	Why Does Clay Soil Have Low Cation Exchange Capacity? Mineral and Elemental Composition of Silts and Clays¿Por Qué un Suelo Arcilloso Tiene Baja Capacidad de Intercambio Catiónico? Composición Mineral y Elemental de Limos y Arcillas	ALVARO DE JESUS RUIZ BALTAZAR FRANCISCO BAUTISTA ZUÑIGA López-Castañeda A. et al.	Terra Latinoamericana	2026
4	Effect of calcium incorporation on the textural, mechanical, and adsorbent properties of millimetric hollow a/Ba-ß-Al2O3 spheres	ALVARO DE JESUS RUIZ BALTAZAR Silva-Holguín P.N. Talamantes R.P. et al.	CERAMICS INTERNATIONAL	2026

ALVARO DE JESUS RUIZ BALTAZAR

5	Effect of chromium dopant on the capacitance of CoFe2O4 nanoparticles for high performance flexible supercapacitors	ALVARO DE JESUS RUIZ BALTAZAR JORGE ROBERTO OLIVA UC Luis Ojeda et al.	SYNTHETIC METALS	2026
6	Spectroscopic interaction of methyl orange with magnetoplasmonic Fe3O4?Au nanostars synthesized via deep eutectic solvents and supported on SiO2 nanofibers	ALVARO DE JESUS RUIZ BALTAZAR ERIC MAURICIO RIVERA MUÑOZ Chacón-Zapién I.D. et al.	INORGANIC CHEMISTRY COMMUNICATIONS	2026
7	Polymeric-PVAc/Pd hybrid nanoparticles to enhance the electrochemical performance of graphene supercapacitors and their role to accelerate the photodegradation of methylene blue dye	ALVARO DE JESUS RUIZ BALTAZAR Luis Ojeda Tzipatly A. Esquivel Castro et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2026
8	Magneto-plasmonic nanoparticles in biomedicine: A comprehensive exploration of iron oxide and gold nanoparticle applications	ALVARO DE JESUS RUIZ BALTAZAR	JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY	2025
9	Efficient degradation of methylene blue using titanium-substituted hydroxyapatite for water purification	LUIS MIGUEL APATIGA CASTRO ALVARO DE JESUS RUIZ BALTAZAR Méndez-Lozano N. et al.	Results In Chemistry	2025
10	Upconversion emission of Yb3+/Er3+ co-doped BaF2/CeO2 composites and their role in enhancing the capacitance of graphene-based supercapacitors	JORGE ROBERTO OLIVA UC ALVARO DE JESUS RUIZ BALTAZAR Garcés-Patiño L.A. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2025
11	Innovative engineering of α-Al2O3 from recycled aluminum: A functional material for cadmium removal and environmental remediation	ALVARO DE JESUS RUIZ BALTAZAR Carrera I.C.T. Silva-Holguín P.N. et al.	Mrs Advances	2025
12	Sustainable Zeolite?Silver Nanocomposites via Green Methods for Water Contaminant Mitigation and Modeling Approaches	ALVARO DE JESUS RUIZ BALTAZAR RAMIRO PEREZ CAMPOS Reyes-López S.Y. et al.	NANOMATERIALS	2024
13	Advancements in nanoparticle-modified zeolites for sustainable water treatment: An interdisciplinary review	ALVARO DE JESUS RUIZ BALTAZAR	SCIENCE OF THE TOTAL ENVIRONMENT	2024
14	Polymer-Based Hydroxyapatite?Silver Composite Resin with Enhanced Antibacterial Activity for Dental Applications	ALVARO DE JESUS RUIZ BALTAZAR Garibay-Alvarado J.A. Garcia-Zamarron D.J. et al.	POLYMERS	2024

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15	Evaluation of Superparamagnetic Fe₃O₄-Ag Decorated Nanoparticles: Cytotoxicity Studies in Human Fibroblasts (HFF-1) and Breast Cancer Cells (MCF-7)	ALVARO DE JESUS RUIZ BALTAZAR KARLA OYUKY JUAREZ MORENO Simon Yobanny Reyes-Lopez et al.	APPLIED SCIENCES-BASEL	2024
16	TiO2?SiO2?Ag electrospun fibers for oxytetracycline detection by SERS	ALVARO DE JESUS RUIZ BALTAZAR Solorio-Grajeda D. Zalapa-Garibay M.A. et al.	MATERIALS CHEMISTRY AND PHYSICS	2023
17	Green Ultrasound-Assisted Synthesis of Surface-Decorated Nanoparticles of Fe3O4 with Au and Ag: Study of the Antifungal and Antibacterial Activity	ALVARO DE JESUS RUIZ BALTAZAR HARALD NORBERT BOHNEL Daniel Larranaga Ordaz et al.	Journal of Functional Biomaterials	2023
18	Structural Characterization of Mexican Zeolite Doped with Silver Nanoparticles Obtained by Green Routes	ALVARO DE JESUS RUIZ BALTAZAR HARALD NORBERT BOHNEL Ordaz D.L. et al.	MICROSCOPY AND MICROANALYSIS	2023
19	Environmentally friendly alternative for heavy metal adsorption based on doped diatoms with Au nanoparticles: A novel approach in green synthesis of adsorbents and kinetic adsorption study	ALVARO DE JESUS RUIZ BALTAZAR	COLLOID AND INTERFACE SCIENCE COMMUNICATIONS	2022
20	Molecular interaction of beta-carotene with sweet potato starch: A bleaching-restitution assay	ALVARO DE JESUS RUIZ BALTAZAR Escobar-Puentes A.A. Reyes-López S.Y. et al.	FOOD HYDROCOLLOIDS	2022
21	Effect of Zn Nanoparticles Doping on Oxytetracycline Removal by Natural Aluminosilicate and Carbon Nanotubes	ALVARO DE JESUS RUIZ BALTAZAR Reyes-López S.Y. Torres-Pérez J. et al.	WATER AIR AND SOIL POLLUTION	2022
22	Antimicrobial study of the Al2O3-Cu and Al2O3-Hydroxiapatite-Cu spheres	ALVARO DE JESUS RUIZ BALTAZAR Nair Silva-Holguín P. Yobanny Reyes-López S.	INORGANIC CHEMISTRY COMMUNICATIONS	2022
23	Application of modified silicates with gold nanoparticles on environmental remediation: Study of non-linear kinetic adsorption models focused on heavy metals	ALVARO DE JESUS RUIZ BALTAZAR Reyes-López S.Y. Zamora Antuñano M.A. et al.	INORGANIC CHEMISTRY COMMUNICATIONS	2022
24	Synthesis and Characterization of a-Al2O3/Ba-ß-Al2O3 Spheres for Cadmium Ions Removal from Aqueous Solutions	ALVARO DE JESUS RUIZ BALTAZAR Silva-Holguín P.N. Medellín-Castillo N.A. et al.	Materials	2022
25	Sonochemical activation-assisted biosynthesis of Au/Fe3O4 nanoparticles and sonocatalytic degradation of methyl orange	ALVARO DE JESUS RUIZ BALTAZAR	ULTRASONICS SONOCHEMISTRY	2021

ALVARO DE JESUS RUIZ BALTAZAR

26	Cell behavior on silica-hydroxyapatite coaxial composite	ALVARO DE JESUS RUIZ BALTAZAR Reyes-López S.Y. Vargas-Requena C.L. et al.	PLOS ONE	2021
27	Bactericidal Activity Study of ZrO2-Ag2O Nanoparticles	ALVARO DE JESUS RUIZ BALTAZAR Simon Yobanny Reyes-Lopez Leon Espinoza-Cristobal et al.	Dose-Response	2020
28	Magnetic Nanoparticles of Fe3O4 Biosynthesized by Cnicus benedictus Extract: Photocatalytic Study of Organic Dye Degradation and Antibacterial Behavior	ALVARO DE JESUS RUIZ BALTAZAR RAMIRO PEREZ CAMPOS Marco Antonio Zamora Antunano et al.	Processes	2020
29	Green synthesis assisted by sonochemical activation of Fe3O4-Ag nano-alloys: Structural characterization and studies of sorption of cationic dyes	ALVARO DE JESUS RUIZ BALTAZAR	INORGANIC CHEMISTRY COMMUNICATIONS	2020
30	Kinetic adsorption models of silver nanoparticles biosynthesized by Cnicus Benedictus: Study of the photocatalytic degradation of methylene blue and antibacterial activity	ALVARO DE JESUS RUIZ BALTAZAR	INORGANIC CHEMISTRY COMMUNICATIONS	2020

ALVARO DE JESUS RUIZ BALTAZAR

LIBROS Y CAPITULOS CON ISBN

No se encuentran registros en la base de datos de Humanindex asociados a:

ALVARO DE JESUS RUIZ BALTAZAR

ALVARO DE JESUS RUIZ BALTAZAR

PARTICIPACIÓN EN PROYECTOS

No se encuentran registros en la base de datos de SISEPRO asociados a:

ALVARO DE JESUS RUIZ BALTAZAR

ALVARO DE JESUS RUIZ BALTAZAR

PARTICIPACIÓN EN TESIS

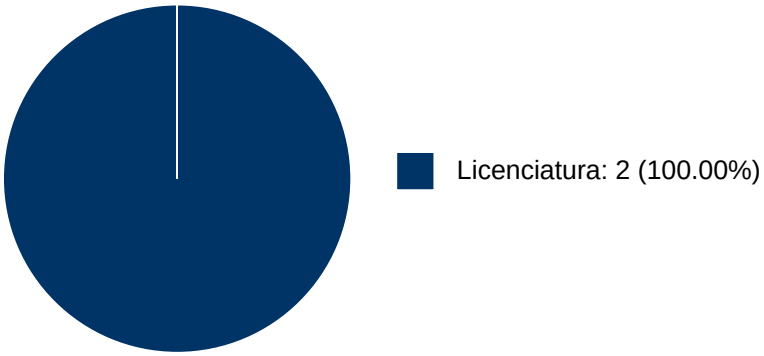
No se encuentran registros en la base de datos de TESIUNAM asociados a:

ALVARO DE JESUS RUIZ BALTAZAR

ALVARO DE JESUS RUIZ BALTAZAR

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	CARACTERIZACION DE MATERIALES	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD JURIQUILLA, QRTO.	6	2026-2
2	Licenciatura	ELECTROMAGNETISMO	Centro de Física Aplicada y Tecnología Avanzada	22	2019-2

ALVARO DE JESUS RUIZ BALTAZAR

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	2008-2026
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2026
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2026
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2026
9	Documentos Indexados	Thomson Reuters	WoS	2008-2026
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2026
11	Patentes	IMPI	SIGA	2008-2026