JORGE ROBERTO OLIVA UC

Datos Generales

Nombre: JORGE ROBERTO OLIVA UC

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 1 año

Nombramientos

Vigente: INVESTIGADOR ASOCIADO C TC No Definitivo
Centro de Física Aplicada y Tecnología Avanzada
Desde 01-10-2023

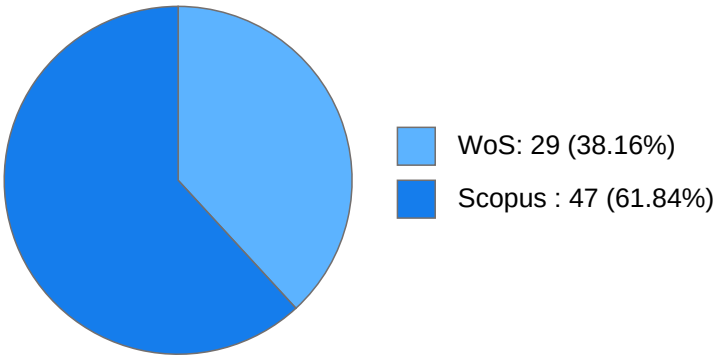
Estímulos, programas, premios y reconocimientos

SNI II 2024 - VIGENTE
EQUIVALENCIA PRIDE B 2023 - 2024

JORGE ROBERTO OLIVA UC

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	A comparison of the electrochemical performance between novel donut-like and rectangular-like supercapacitors made with La_{0.5}Pr_{0.5}Fe_{0.7}Mn_{0.3}O₃ perovskite	JORGE ROBERTO OLIVA UC M. Perez-Chavez L. A. Garces-Patino et al.	Journal of Energy Storage	2025
2	A Novel Methodology for the Accelerated Desalination of Seawater Utilizing Up- and Down-Conversion Phosphors	JORGE ROBERTO OLIVA UC Valadez-Renteria E. Desirena H. et al.	Advanced Energy And Sustainability Research	2025
3	Functionalized and crosslinked poly (vinyl alcohol)-citric acid hydrogel for arsenic (V) removal in water: Efficiency and mechanism	JORGE ROBERTO OLIVA UC Victor Hugo Ramos-Martinez Vladimir Alonso Escobar-Barrios	Journal of Environmental Chemical Engineering	2025
4	Synergistic effect between MoS2/WS2 composite and ecofriendly electrolytes for the fabrication of graphene supercapacitors with high energy density	MARIO ENRIQUE RODRIGUEZ GARCIA JORGE ROBERTO OLIVA UC Perez-Chavez M. et al.	INORGANIC CHEMISTRY COMMUNICATIONS	2025
5	Enhancing the evaporation rate of 3D solar evaporators by coating their surface with N-doped graphene and MnCoGe alloy compounds	JONATHAN ZAMORA MENDIETA PEDRO SALAS CASTILLO JORGE ROBERTO OLIVA UC et al.	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025

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6	Maximizing the Electrochemical Performance of Supercapacitors by Using Seawater Electrolyte Instead of Acidic/Lithium-Based Electrolytes	JORGE ROBERTO OLIVA UC Luis Antonio Garces-Patino Tzipatly Angelica Esquivel-Castro et al.	Advanced Sustainable Systems	2025
7	A giant enhancement of capacitance in graphene supercapacitors by introducing on their electrodes recycled hydroxyapatite from bovine bone	MARIO ENRIQUE RODRIGUEZ GARCIA JORGE ROBERTO OLIVA UC Ojeda L. et al.	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2025
8	Bi0.84Sm0.16FeO3/graphene composite for the enhancement of capacitance of flexible supercapacitors and its use for the photocatalytic removal of methylene blue dye from tap water under sunlight	JORGE ROBERTO OLIVA UC ARMANDO REYES MONTERO JONATHAN ZAMORA MENDIETA et al.	MATERIALS CHEMISTRY AND PHYSICS	2025
9	Rubber/BiOCl: Yb,Er composite for the enhanced degradation of methylene blue and Rhodamine B dyes under solar irradiation	PEDRO SALAS CASTILLO JORGE ROBERTO OLIVA UC Valadez-Renteria E. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2025
10	UV irradiation treatment on graphene/Zn3(VO4)2 composite electrodes to enhance their capacitance and energy density	JORGE ROBERTO OLIVA UC Mendoza-Jiménez R. Garcia C.R. et al.	Materials Today Communications	2025
11	The role of graphene oxide and graphene quantum dots synthesized from spent lithium-ion batteries for Highly efficient supercapacitors	JORGE ROBERTO OLIVA UC PEDRO SALAS CASTILLO Mendoza-Jiménez R. et al.	ELECTROCHIMICA ACTA	2025
12	Novel photocatalytic textile floater made with Ce0.85Y0.1Mg0.05O2-d for the high degradation of methylene blue and fomesafen (Flex) under solar light	JORGE ROBERTO OLIVA UC Esquivel-Castro T.A. Díaz J. et al.	Surfaces And Interfaces	2025
13	A composite electrode of graphene/Bi2Te3 for the fabrication of flexible supercapacitors/thermoelectric devices with high output voltage	JORGE ROBERTO OLIVA UC Ojeda L. Velazquez-Galvan Y. et al.	MATERIALS CHEMISTRY AND PHYSICS	2024
14	Engineered separator of cellulose/ionic-liquid for the fabrication of a novel device with H-type architecture and dual function: Supercapacitor and NO2 gas sensor	JORGE ROBERTO OLIVA UC Ojeda L. Molina A. et al.	CHEMICAL ENGINEERING JOURNAL	2024
15	Enhancing the blue and NIR emissions of NaBiF4:Er3+,Yb3+ phosphors by co-doping with Mg2+ or Mn2+	PEDRO SALAS CASTILLO JORGE ROBERTO OLIVA UC Garcés L. et al.	OPTICAL MATERIALS	2024

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16	Enhancement of capacitance of waterproof supercapacitors by controlling the thickness of their composite electrodes (graphene/ La0.2Gd1.8Zr2O7: La0.7Sr0.3MnO3)	JORGE ROBERTO OLIVA UC Mendoza-Jiménez R. Padmasree K.P. et al.	CERAMICS INTERNATIONAL	2024
17	Enhancing the capacitance and robustness of graphene supercapacitors by adding a coating of activated-carbon/Bi2Al4O9 on their electrodes	JORGE ROBERTO OLIVA UC Ojeda L. Velazquez-Galvan Y. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2024
18	Mg-Bi-Fe-Oxides/Graphene Electrodes for the Fabrication of Efficient Supercapacitors and Their Use to Accelerate the Growth of Bean Plants	JORGE ROBERTO OLIVA UC Rios-Orihuela J.F. Esquivel-Castro T.A. et al.	Advanced Sustainable Systems	2024
19	Effect of NiAl alloy microparticles deposited in flexible SERS substrates on the limit of detection of rhodamine B molecules	JORGE ROBERTO OLIVA UC A. Molina M. Vazquez-Lepe et al.	Nanoscale	2024
20	Rambutan-Like Mg-Bi-O : Fe Assemblies Loaded with Fomesafen Herbicide to Induce the Fast Germination of Pinto Bean Plants	JORGE ROBERTO OLIVA UC Tzipatly A. Esquivel-Castro Haret C. Rosu et al.	Chemistryselect	2024
21	Emission color tuning and enhancement of the upconversion emission in NaBiF4:Yb3+,Er3+ phosphors by controlling the Na/F ratio	JORGE ROBERTO OLIVA UC PEDRO SALAS CASTILLO Montes E. et al.	CERAMICS INTERNATIONAL	2024
22	Effect of Urea and Thiourea on the color emission of (YxBi1-x)2Zr2O7:Er3+,Yb3+ upconversion phosphors	JORGE ROBERTO OLIVA UC PEDRO SALAS CASTILLO Rosales M. et al.	OPTICAL MATERIALS	2024
23	High removal of PS and PET microplastics from tap water by using Fe2O3 porous microparticles and photothermal irradiation with NIR light	JORGE ROBERTO OLIVA UC Sanchez J.M. Gomez-Solis C. et al.	Chemosphere	2024
24	Enhancement of capacitance in CNT based supercapacitors by incorporating a Mg₃(PO₄)₂/CuSO₄ porous composite on their electrodes	JORGE ROBERTO OLIVA UC Javier Rios-Orihuela Tzipatly A. Esquivel-Castro et al.	NEW JOURNAL OF CHEMISTRY	2024
25	Tuning the emission color of SrLaAlO4:Er,Yb upconversion phosphors by decorating their surface with CsPbBr3-xIx quantum dots	JORGE ROBERTO OLIVA UC Rodriguez-Garcia C. Esparza D.	CERAMICS INTERNATIONAL	2024

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26	Green Upconversion of a SrLaAlO4:Yb,Er Phosphor and Its Application for LED Illumination	JORGE ROBERTO OLIVA UC JAMILLET JAZMIN CARRANZA COELLO DANIEL CHAVEZ VELASCO et al.	JOURNAL OF ELECTRONIC MATERIALS	2023
27	A functional SiO2-TiO2 mesoporous assembly designed for the controlled release of carvacrol	JORGE ROBERTO OLIVA UC Esquivel-Castro T.A. Robledo-Trujillo G. et al.	Applied Surface Science Advances	2023
28	Overcoming the limit of capacitance in Bi based supercapacitors by functionalizing their electrodes with NH4Bi3F10 cubes	JORGE ROBERTO OLIVA UC Balderas-Soto M. Vazquez-Lepe M. et al.	SYNTHETIC METALS	2023
29	Enhancing the removal of the diclofenac contaminant and accelerating the desalinization of seawater by using a biodegradable fibrous support functionalized with Sr2.7Ln0.3Fe1.4Co0.6O7-d (Ln = La or Nd) perovskites	JORGE ROBERTO OLIVA UC Valadez-Renteria E. Padmasree K.P. et al.	CHEMICAL ENGINEERING JOURNAL	2023
30	Enhancing the gas detection response of biodegradable NO2 sensors by creating on their surface oxygen-vacancies/zinc-interstitial defects	JORGE ROBERTO OLIVA UC Molina A. Oliva A.I. et al.	SYNTHETIC METALS	2023
31	Using the amorphous-carbon derived from cigarette filters for the fabrication of highly efficient flexible supercapacitors and role of the Sr3.2Y0.8Fe1.5Co1.5O10 layered perovskite to enhance their electrochemical performance	JORGE ROBERTO OLIVA UC Mendoza R. Padmasree K.P. et al.	Journal of Energy Storage	2023
32	Novel polypropylene-TiO2:Bi spherical floater for the efficient photocatalytic degradation of the recalcitrant 2,4,6-TCP herbicide	JORGE ROBERTO OLIVA UC Hernández-Del Castillo P.C. Núñez-Luna B.P. et al.	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2023
33	Efficient removal of the recalcitrant metamizole contaminant from drinking water by using a CaLaCoO9 perovskite supported on recycled polyethylene	JORGE ROBERTO OLIVA UC Valadez-Renteria E. Perez-Carrasco C. et al.	JOURNAL OF ENVIRONMENTAL SCIENCES	2023
34	An eco-friendly cellulose support functionalized with tin titanate nanoparticles for the fast removal of clonazepam drug from the drinking water: adsorption mechanisms	JORGE ROBERTO OLIVA UC Valadez-Renteria E. Navarro-Garcia N. et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2023

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35	Enhancing the eosin-yellowish dye degradation in drinking water by using TiO2 coatings co-doped with Ni and In	JORGE ROBERTO OLIVA UC Hernández-Del Castillo P.C. Robledo-Trujillo G. et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2023
36	A novel floating compound based on a plastic sphere coated with tin titanate for the removal of the herbicide fomesafen	JORGE ROBERTO OLIVA UC Valadez-Renteria E. Mtz-Enriquez A.I. et al.	JOURNAL OF CLEANER PRODUCTION	2022
37	Enhancing of the blue/NIR emission of novel BaLaAlO4:Yb3+(X mol%),Tm3+ (0.5 mol%) upconversion phosphors with the Yb3+ concentration (X = 0.5 to 6)	JORGE ROBERTO OLIVA UC Etafo N.O. Garcia C.R. et al.	INORGANIC CHEMISTRY COMMUNICATIONS	2022
38	Recycling diaper waste for the fabrication of flexible supercapacitors and the role of lead ferrite (PbFe11CrO19) in enhancing their capacitance	JORGE ROBERTO OLIVA UC Mendoza-Jiménez R. Mtz-Enriquez A.I. et al.	NEW JOURNAL OF CHEMISTRY	2022
39	Novel sustainable composites made of car?s waste and sodium titanate for the efficient photocatalytic removal of the bromophenol blue dye: study under solar and UV?Vis light	JORGE ROBERTO OLIVA UC Valadez-Renteria E. Navarro-Garcia N.E. et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2022
40	High Heating Efficiency of Magnetite Nanoparticles Synthesized with Citric Acid: Application for Hyperthermia Treatment	JORGE ROBERTO OLIVA UC MANUEL GERARDO QUINTANA GARCIA Ramirez D. et al.	JOURNAL OF ELECTRONIC MATERIALS	2022
41	An eco-friendly and sustainable support of agave-fibers functionalized with graphene/TiO2:SnO2 for the photocatalytic degradation of the 2,4-D herbicide from the drinking water	JORGE ROBERTO OLIVA UC Hernández-Del Castillo P.C. Rodriguez-Gonzalez V.	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022
42	Enhancing the electrochemical performance of graphene supercapacitors by coating their electrodes with a slurry-paste of ZnO:Al, ZnO:Ga and ZnO:In	JORGE ROBERTO OLIVA UC Badillo F. Gomez-Solis C.	SYNTHETIC METALS	2022
43	A sustainable avocado-peel based electrode for efficient graphene supercapacitors: Enhancement of capacitance by using Sr doped LaMnO3 perovskites	JORGE ROBERTO OLIVA UC Mendoza R. Padmasree K.P. et al.	CERAMICS INTERNATIONAL	2022

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44	A sustainable composite of rice-paper/BaMoO4 nanoparticles for the photocatalytic elimination of the recalcitrant 2,6-dichlorobenzamide (BAM) pesticide in drinking water and its mechanisms of degradation	JORGE ROBERTO OLIVA UC Valadez-Renteria E. Kshetri Y.K. et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2022
45	Role of the Ca3Co4O9 oxide to enhance the energy density and capacitance of graphene supercapacitors made with recycled polypropylene	JORGE ROBERTO OLIVA UC Ojeda L. Mendoza R. et al.	CERAMICS INTERNATIONAL	2022
46	A sustainable and green chlorophyll/TiO2:W composite supported on recycled plastic bottle caps for the complete removal of Rhodamine B contaminant from drinking water	JORGE ROBERTO OLIVA UC Valadez-Renteria E. Rodriguez-Gonzalez V.	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022
47	A Parchment-Like Supercapacitor Made with Sustainable Graphene Electrodes and its Enhanced Capacitance by Incorporation of the LaSrCoO3 Perovskite	JORGE ROBERTO OLIVA UC Garces L. Lopez-Medina M. et al.	Chemistryselect	2022
48	Using a Novel Sr2CeO4:Ni Photocatalyst for the Degradation of the Recalcitrant Congo Red Dye Under Solar Irradiation	JORGE ROBERTO OLIVA UC Garcia C.R. Chavez D. et al.	TOPICS IN CATALYSIS	2022

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LIBROS Y CAPITULOS CON ISBN

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

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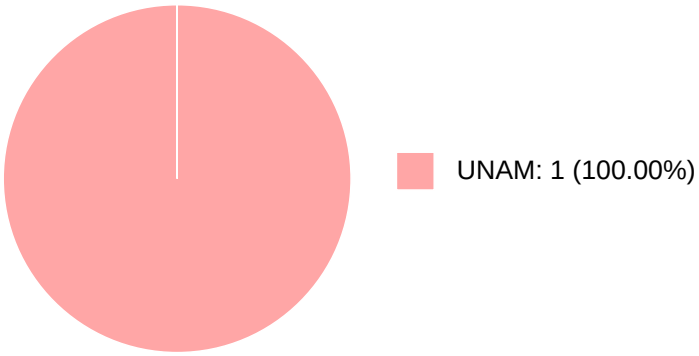
PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Dispositivos para la producción de energía de bajo costo usando materiales reciclados	JORGE ROBERTO OLIVA UC	Presupuesto de la UNAM asignado a la Dependencia	16-08-2023	15-08-2025

JORGE ROBERTO OLIVA UC

PARTICIPACIÓN EN TESIS

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

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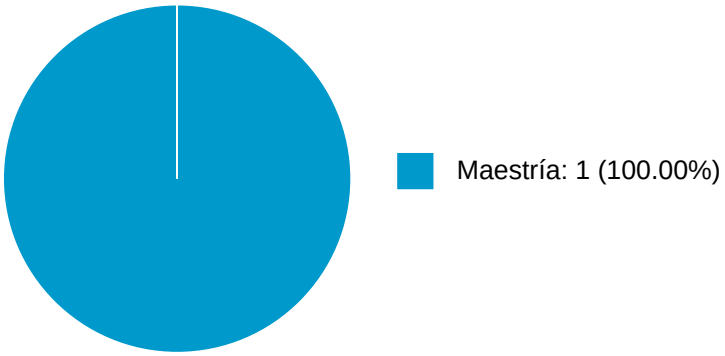
DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	MATERIALES ELECTRÓNICOS: NANOTECNOLOGÍA Y NANOMATERIALES	Instituto de Investigaciones en Materiales	1	2024-2

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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