



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



GABRIELA ROA MORALES

Datos Generales

Nombre: GABRIELA ROA MORALES

Máximo nivel de estudios:

Antigüedad académica en la UNAM: años, meses, días

Nombramientos

Último:

Estímulos, programas, premios y reconocimientos

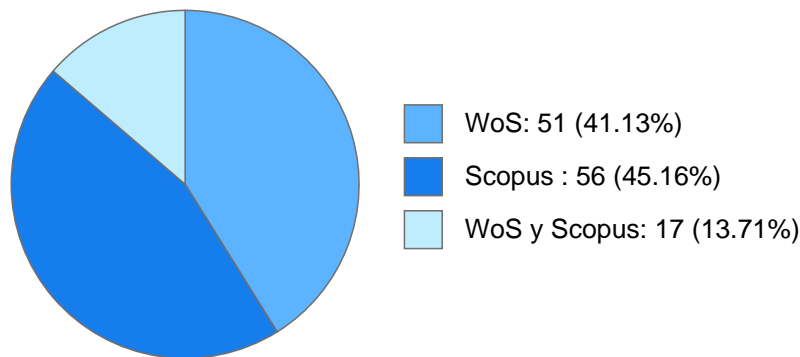
SNI II 2015 - 2023

SNI I 2010 - 2014

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Life cycle inventory for an organic swine waste treatment system	GABRIELA ROA MORALES López Fenández S. Amaya Chávez A. et al.	JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT	2023
2	Solar-photovoltaic electrocoagulation of wastewater from a chocolate manufacturing industry: Anodic material effect (aluminium, copper and zinc) and life cycle assessment	Ivonne Linares Hernandez Reyna Natividad Rangel PATRICIA BALDERAS HERNANDEZ et al.	Journal of Environmental Chemical Engineering	2022
3	E-peroxone process of a chlorinated compound: Oxidant species, degradation pathway and phytotoxicity	GABRIELA ROA MORALES PATRICIA BALDERAS HERNANDEZ Reyna Natividad Rangel et al.	Journal of Environmental Chemical Engineering	2022
4	Voltammetric Quantification of Diclofenac Using a Modified CPE Enriched with TiO ₂ Nanoparticles and MWCNT	GABRIELA ROA MORALES Franco-Guzman M. Mendoza-Huizar L.H. et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2021
5	Downflow bubble column electrochemical reactor (DBCER): In-situ production of H ₂ O ₂ and O ₃ to conduct electroperoxone process	GABRIELA ROA MORALES Reyna Natividad Rangel German Santana-Martinez et al.	Journal of Environmental Chemical Engineering	2021

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6	Electrocoagulation of a chocolate industry wastewater in a Downflow column electrochemical reactor	GABRIELA ROA MORALES Ivonne Linares Hernandez Reyna Natividad Rangel et al.	Journal of Water Process Engineering	2021
7	Importance of Electrode Tailoring in the Coupling of Electrolysis with Renewable Energy	MARGARITA MILLAN MONCAYO GABRIELA ROA MORALES Ivonne Linares Hernandez et al.	CHEMELECTROC HEM	2020
8	Strategies for powering electrokinetic soil remediation: A way to optimize performance of the environmental technology	GABRIELA ROA MORALES Millán M. Bucio-Rodríguez P.Y. et al.	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2020
9	Nonylphenol degradation by simultaneous electrooxidation on BDD anode and oxidation by H ₂ O ₂ in a continuous flow electrochemical reactor	BERNARDO ANTONIO FRONTANA URIBE GABRIELA ROA MORALES Rodríguez-Peña M. et al.	INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE	2019
10	A box-behken optimized methodology for the quantification of diclofenac using a carbon paste-multiwalled carbon nanotubes electrode	GABRIELA ROA MORALES Franco-Guzmán M. Mendoza-Huizar L.H. et al.	CURRENT ANALYTICAL CHEMISTRY	2019
11	A novel sulfonated waste polystyrene / iron oxide nanoparticles composite: Green synthesis, characterization and applications	GABRIELA ROA MORALES PATRICIA BALDERAS HERNANDEZ De León-Condés C.A. et al.	Journal of Environmental Chemical Engineering	2019
12	Catalytic Effect of Hydrogen Peroxide in the Electrochemical Treatment of Phenolic Pollutants using a BDD Anode	GABRIELA ROA MORALES PATRICIA BALDERAS HERNANDEZ BERNARDO ANTONIO FRONTANA URIBE et al.	CHEMELECTROC HEM	2019
13	Heterogeneous photo-Fenton treatment for degradation of indigo carmine dye	GABRIELA ROA MORALES Cosme-Torres I. Macedo-Miranda M.G. et al.	Mrs Advances	2019
14	Electrochemical deposition of poly[ethylene-dioxythiophene] (PEDOT) films on ITO electrodes for organic photovoltaic cells: control of morphology, thickness, and electronic properties	BERNARDO ANTONIO FRONTANA URIBE MARGARITA RIVERA HERNANDEZ MELINA TAPIA TAPIA et al.	JOURNAL OF SOLID STATE ELECTROCHEMISTRY	2018
15	Pretreatment of real wastewater from the chocolate manufacturing industry through an integrated process of electrocoagulation and sand filtration	GABRIELA ROA MORALES Teresa Torres Blancas Marco A. Garcia-Morales et al.	INTERNATIONAL JOURNAL OF PHOTOENERGY	2018
16	Influence on the Electroactive Area of the Electrode's Nature and the Transformed Redox Molecule	GABRIELA ROA MORALES Franco Guzmán M. Álvarez Romero G.A. et al.	ECS Transactions	2018

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17	Laccase Inhibition by Mercury: Kinetics, Inhibition Mechanism, and Preliminary Application in the Spectrophotometric Quantification of Mercury Ions	GABRIELA ROA MORALES J. Juárez-Gomez E. S. Rosas-Tate et al.	JOURNAL OF CHEMISTRY	2018
18	Thermal hydrolysis of orange peel and its fermentation with alginate beads to produce ethanol	GABRIELA ROA MORALES PATRICIA BALDERAS HERNANDEZ Vázquez B.C. et al.	Bioresources	2017
19	Simultaneous electrocoagulation of dam water and production of hydrogen	GABRIELA ROA MORALES Bailón-Martínez, A. Pavón-Silva, T. et al.	World Review of Science, Technology and Sustainable Development	2017
20	Tolerance and hyperaccumulation of a mixture of heavy metals (Cu, Pb, Hg, and Zn) by four aquatic macrophytes	PATRICIA BALDERAS HERNANDEZ GABRIELA ROA MORALES Romero-Hernández, J.A. et al.	INTERNATIONAL JOURNAL OF PHYTOREMEDIATION	2017
21	Synergic effect of ozonation and electrochemical methods on oxidation and toxicity reduction: Phenol degradation	GABRIELA ROA MORALES Amado-Piña, D. Barrera-Díaz, C. et al.	Fuel	2017
22	Evaluation of a coupled system of electro-oxidation and ozonation to remove the pesticide Thiodan((R)) 35 CE (endosulfan) in aqueous solution	GABRIELA ROA MORALES Rosales Landeros, C. Barrera Díaz, C.E. et al.	Fuel	2017
23	Electro-Fenton and Electro-Fenton-like with in situ electrogeneration of H ₂ O ₂ and catalyst applied to 4-chlorophenol mineralization	GABRIELA ROA MORALES BERNARDO ANTONIO FRONTANA URIBE Santana-Martinez, German et al.	ELECTROCHIMICA ACTA	2016
24	Voltammetric Determination of Metronidazole Using a Sensor Based on Electropolymerization of alpha-Cyclodextrin over a Carbon Paste Electrode	GABRIELA ROA MORALES PATRICIA BALDERAS HERNANDEZ Hernandez-Jimenez, Arturo et al.	ELECTROANALYSIS	2016
25	Comparison of AOPs Efficiencies on Phenolic Compounds Degradation	Lourdes Hurtado GABRIELA ROA MORALES Amado-Pina, Deysi et al.	JOURNAL OF CHEMISTRY	2016

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26	Reduction of pollutants and disinfection of industrial wastewater by an integrated system of copper electrocoagulation and electrochemically generated hydrogen peroxide	Carlos E. BarreraDiaz BERNARDO ANTONIO FRONTANA URIBE GABRIELA ROA MORALES et al.	JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING	2015
27	Chiral recognition of abacavir enantiomers by (2-hydroxy)propyl-beta-cyclodextrin: UHPLC, NMR and DFT studies	M. L. ReyesReyes GABRIELA ROA MORALES ROBERTO CARLOS MELGAR FERNANDEZ et al.	JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY	2015
28	Ozonation of Indigo Carmine Enhanced by Fe/Pimenta dioica L. Merrill Particles	Teresa TorresBlancas GABRIELA ROA MORALES Carlos BarreraDiaz et al.	INTERNATIONAL JOURNAL OF PHOTOENERGY	2015
29	Hydroxyl Radicals quantification by UV spectrophotometry	GABRIELA ROA MORALES Peralta, E. Hernandez-Servin, J. A. et al.	ELECTROCHIMICA ACTA	2014
30	Ozonation of Indigo Carmine Catalyzed with Fe-Pillared Clay	MIRIAM ESTHER BERNAL LARIOS Rubi Romero GABRIELA ROA MORALES et al.	INTERNATIONAL JOURNAL OF PHOTOENERGY	2013
31	An integrated electrocoagulation and ozonation process for removal of indigo carmine dye from denim processing effluent	GABRIELA ROA MORALES PATRICIA BALDERAS HERNANDEZ García-Morales M.A. et al.	Sustainable Environment Research	2013
32	A comparative study on the electrochemical production of H ₂ O ₂ between bdd and graphite cathodes	GABRIELA ROA MORALES Peralta E. Natividad R. et al.	Sustainable Environment Research	2013
33	Treatment of soft drink process wastewater by ozonation, ozonation-H ₂ O ₂ and ozonation-coagulation processes	GABRIELA ROA MORALES PATRICIA BALDERAS HERNANDEZ Garcia-Morales, M. A. et al.	JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING	2012
34	Reduction of Cr(VI) from the electroplating industry using an iron-BDD electrochemical system	GABRIELA ROA MORALES Almazán-Sánchez P.T. Lugo-Lugo V. et al.	ECS Transactions	2011

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35	Use of a combined electrocoagulation-ozone process as a pre-treatment for industrial wastewater	GABRIELA ROA MORALES Hernandez-Ortega, M. Ponziak, T. et al.	Desalination	2010
36	An Integrated Electrocoagulation-Phytoremediation Process for the Treatment of Mixed Industrial Wastewater	GABRIELA ROA MORALES Cano Rodriguez, Claudia Teodora Amaya-Chavez, Araceli et al.	INTERNATIONAL JOURNAL OF PHYTOREMEDIATION	2010
37	Removal of non-biodegradable compounds in a complex industrial wastewater by electrocoagulation - Activated sludge processes	GABRIELA ROA MORALES Linares-Hernández I. Barrera-Díaz C. et al.	ECS Transactions	2010
38	Hexavalent chromium reduction by iron: Electro-generated and galvanic production	GABRIELA ROA MORALES Lugo-Lugo V. Barrera-Díaz C. et al.	ECS Transactions	2010
39	Evaluation of a blue indigo dye degradation with electrochemical peroxidation by UV-vis spectrophotometry	GABRIELA ROA MORALES Olvera H. Marín R. et al.	ECS Transactions	2010
40	Industrial wastewater treatment by electrocoagulation-direct anodic oxidation system	GABRIELA ROA MORALES Linares-Hernández I. Barrera-Díaz C. et al.	ECS Transactions	2009
41	Physicochemical and biological combined treatment applied to a food industry wastewater for reuse	GABRIELA ROA MORALES Pavon-Silva, Thelma Pacheco-Salazar, Víctor et al.	JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING	2009
42	Removal of Biorefractory Compounds in Industrial Wastewater by Chemical and Electrochemical Pretreatments	GABRIELA ROA MORALES PATRICIA BALDERAS HERNANDEZ Barrera-Díaz, Carlos et al.	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2009
43	Electrooxidation of Brown-Colored Molasses Wastewater. Effect of the Electrolyte Salt on the Process Efficiency	GABRIELA ROA MORALES Canizares, P. Hernandez, M. et al.	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2009
44	A comparison between Conductive-Diamond Electrochemical Oxidation and other Advanced Oxidation Processes for the treatment of synthetic melanoidins	GABRIELA ROA MORALES Canizares, P. Hernandez-Ortega, M. et al.	JOURNAL OF HAZARDOUS MATERIALS	2009

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45	Influence of the anodic material on electrocoagulation performance	GABRIELA ROA MORALES Linares-Hernandez, Ivonne Barrera-Diaz, Carlos et al.	CHEMICAL ENGINEERING JOURNAL	2009
46	Experimental correlation between the pK(a) value of sulfonphthaleins with the nature of the substituents groups	PATRICIA BALDERAS HERNANDEZ GABRIELA ROA MORALES Teresa Ramirez-Silva, Maria et al.	SPECTROCHIMI CA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	2008
47	A comparison of iron and aluminium electrodes in hydrogen peroxide-assisted electrocoagulation of organic pollutants	GABRIELA ROA MORALES PATRICIA BALDERAS HERNANDEZ Barrera-Diaz, C. et al.	ENVIRONMENTA L ENGINEERING SCIENCE	2008
48	Aluminum electrocoagulation with peroxide applied to wastewater from pasta and cookie processing	GABRIELA ROA MORALES Campos-Medina E. Aguilera-Cotero J. et al.	SEPARATION AND PURIFICATION TECHNOLOGY	2007
49	A combined electrocoagulation-sorption process applied to mixed industrial wastewater	GABRIELA ROA MORALES Linares-Hernández I. Barrera-Díaz C. et al.	JOURNAL OF HAZARDOUS MATERIALS	2007
50	Electrochemical Treatment Applied to Food-Processing Industrial Wastewater	GABRIELA ROA MORALES Barrera-Díaz C. Ávila-Córdoba L. et al.	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2006
51	Electrochemical study on the selective formation of [Pb(cyclodextrin) 2+]surface inclusion complexes at the carbon paste electrode/CIO4 - 1 M interphase	GABRIELA ROA MORALES Galicia L. Rojas-Hernández A. et al.	ELECTROCHIMIC A ACTA	2005
52	Electrochemical characterization and determination of mercury using carbon paste electrodes modified with cyclodextrins	GABRIELA ROA MORALES Ramírez-Silva M.T. González R.L. et al.	ELECTROANALYS IS	2005
53	Determination of lead and cadmium using a polycyclodextrin-modified carbon paste electrode with anodic stripping voltammetry	GABRIELA ROA MORALES Ramírez-Silva M.T. Romero-Romo M.A. et al.	ANALYTICAL AND BIOANALYTICAL CHEMISTRY	2003
54	Carbon paste electrodes electrochemically modified with cyclodextrins	GABRIELA ROA MORALES Ramírez Silva T. Galicia L.	JOURNAL OF SOLID STATE ELECTROCHEMIS TRY	2003



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55	Evidence of ternary inclusion complexes formation using factorial design and determination of their formation constant	GABRIELA ROA MORALES Galicia L. Ramírez-Silva M.T.	J INCL PHENOM MACRO	2003
56	Electrochemical study of lead species in acetate media: In situ formation of alkyl and lead species on carbon paste electrode	ADRIANA MORALES PEREZ GABRIELA ROA MORALES Bernabe M. et al.	ELECTROANALYS IS	2001



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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

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

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PARTICIPACIÓN EN TESIS

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

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DOCENCIA IMPARTIDA

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

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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	2008-2024
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