

Full list of international publications
Prof. Dr. Bernardo A. Frontana-Uribe:

- 76.- Electro-Oxidation–Plasma Treatment for Azo Dye Carmoisine (Acid Red 14) in an Aqueous Solution
Héctor Barrera, Julián Cruz-Olivares, **Bernardo A. Frontana-Uribe**, Aarón Gómez-Díaz, Pedro G. Reyes-Romero* and Carlos E. Barrera-Díaz *
Materials, 23, E1463, 2020 FI= 2.972
DOI: <https://doi.org/10.3390/ma13061463>
- 75.- Ascorbic Acid as an Aryl Radical Inducer in the Gold Mediated Arylation of Indoles with Aryldiazonium Chlorides
I. Medina-Mercado, E. O. Asomoza-Solís, E. Martínez-González, V. M. Ugalde-Saldívar, L. G. Ledesma-Olvera, J. E. Barquera-Lozada, V. Gómez-Vidales, J. Barroso-Flores, **B. A. Frontana-Uribe**<https://doi.org/10.1002/chem.201904413>, and S. Porcel*
Chemistry European Journal, Accepted, 26, 634 – 642, 2020, FI= 5.160
DOI: [10.1002/chem.201904413](https://doi.org/10.1002/chem.201904413)
- 74.- Catalytic Effect of Hydrogen Peroxide in the Electrochemical Treatment of Phenolic Pollutants using a BDD Anode
Héctor Barrera, Gabriela Roa-Morales, Patricia Balderas-Hernández, Carlos E. Barrera-Díaz,* and **Bernardo A. Frontana-Uribe***
ChemElectroChem, 6, 2264–2272, 2019 FI=4.443
DOI: <https://doi.org/10.1002/celc.201900174>
- 73.- Synthesis and in vitro biological evaluation of 1,3-bis-(1,2,3-triazol-1-yl)-propan-2-ol derivatives as antifungal compounds fluconazole analogues
A. Zambrano-Huerta, D. D. Cifuentes-Castañeda, J. Bautista-Renedo, H. Mendieta-Zerón, R. C. Melgar-Fernández, S. Pavón-Romero, M. Morales-Rodríguez, **B. A. Frontana-Uribe**, N. González-Rivas, E. Cuevas-Yáñez*
Medicinal Chemistry Research 28, 571–579, 2019 FI=1.607
DOI: <https://doi.org/10.1007/s00044-019-02317-5>
- 72.- Nonylphenol Degradation by Simultaneous Electrooxidation on BDD Anode and Oxidation by H₂O₂ in a Continuous Flow Electrochemical Reactor
M. Rodríguez-Peña, C. E. Barrera-Díaz*, **B. A. Frontana-Uribe*** and G. Roa-Morales
International Journal of Electrochemical Science, 14, 4409 – 4419, 2019 FI=1.369
DOI: <https://doi.org/10.20964/2019.05.21>
- 71.- Analysis of Conjugated Polymers Conductivity by in situ Electrochemical-Conductance Method
G. Salinas, **B. A. Frontana-Uribe***
ChemElectroChem, 6, 4105-4117, 2019 FI=4.443
DOI: <https://doi.org/10.1002/celc.201801488>
- 70.- Influence of the Electropolymerization Parameters on the Doping Level of Polybithiophene Films Grown in Acetonitrile and Water
K. M. Contreras-Herrera, R. Vasquez-Medrano, J. G. Ibanez, **B. A. Frontana-Uribe***, and G. Salinas.
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DOI: <https://doi.org/10.1149/08401.0035ecst>

- 69.- Electrochemical behavior of the Cu (II)/Cu (0) system on vitreous carbon electrodes modified with PEDOT electropolymerized in aqueous media
D. A. Castillo-Lara, R. Vasquez-Medrano, J. G. Ibanez, **B. A. Frontana-Uribe***, and G. Salinas.
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- 68.- Analysis of Cu in mezcal commercial samples using square wave anodic stripping voltammetry
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- 67.- Highly ordered macroporous poly-3,4-ortho-xylendioxythiophene electrodes as a sensitive analytical tool for heavy metal quantification
Gerardo Salinas, **Bernardo Frontana-Uribe***, Stephane Reculusa, Patrick Garrigue, Alexander Kuhn*
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DOI: <http://doi.org/10.1021/acs.analchem.8b03779>
- 66.- Electrochemical polymerization, characterization and in-situ conductivity studies of poly-3,4-ortho-xylendioxythiophene (PXDOT)
Gerardo Salinas, José-Alfredo Del-Oso, Patricio-Javier Espinoza-Montero, Jürgen Heinze, **Bernardo A. Frontana-Uribe***
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- 65.- Conducting Polymers in the Fields of Energy, Environmental Remediation, and Chemical-Chiral Sensors
Jorge G. Ibanez, Marina. E. Rincón, Silvia Gutierrez-Granados, M'hamed Chahma, Oscar A. Jaramillo-Quintero, and **Bernardo A. Frontana-Uribe***
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- 63.- Electrochemical Corey-Winter reaction. Reduction of thiocarbonates in aqueous methanol media and application to the synthesis of a naturally occurring α -pyrone
Ernesto Emmanuel López-López, José Alvano Pérez-Bautista, Fernando Sartillo-Piscil* and **Bernardo A. Frontana-Uribe***
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- 62.- Electrochemical deposition of poly[ethylene-dioxythiophene] (PEDOT) films on ITO electrodes for organic photovoltaic cells: control of morphology, thickness, and electronic properties
José Alfredo Del-Oso,* **Bernardo Antonio Frontana-Uribe***, José-Luis Maldonado, Margarita Rivera, Melina Tapia-Tapia, Gabriela Roa-Morales
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- 61.- Electrochemical behavior of poly-bithiophene, poly-3,4-ethylendioxythiophene and poly-3,4-ortho-xylendioxythiophene in EtOH/H₂O (1:1) mixture
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- 60.- Integrated advanced oxidation process, ozonation-electrodegradation treatments, for nonylphenol removal in batch and continuous reactor
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- 59.- Electrochemical Degradation of Nonylphenol Ethoxylate-7 (NP7EO) Using a DiaClean® Cell Equipped with Boron-Doped Diamond Electrodes (BDD)
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- 58.- Electrochemical Synthesis Of Films Based On Polybithiophene And Fullerene Derivatives With Potential Use In Bulk Heterojunction Photovoltaic Devices
Gibrán Hernández Moreno, José-Luis Maldonado, **Bernardo A. Frontana Uribe,*** Silvia Gutiérrez Granados*
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- 57.- Synthesis of chiral aza-bis(oxazolines) derived from (+)-camphor
Jaime González, Diego Martínez-Otero, **Bernardo A. Frontana-Uribe**, Erick Cuevas-Yañez*
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- 55.- Remediation of Diquat-Contaminated Water by Electrochemical Advanced Oxidation Processes Using Boron-Doped Diamond (BDD) Anodes
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- 54.- Paired electrochemical processes: Overview, systematization, selection criteria, design strategies, and projection
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- 53.- Synthesis of bis-3,4-dialkoxythiophenes linked by a m-xylene bridge

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- 52.- Evaluation of Fe fixation into montmorillonite clay and its application in the polymerization of ethylenedioxothiophene

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- 44.- Diprotodecarboxylation reactions of 3,4-dialkoxythiophene-2,5-dicarboxylic acids mediated by Ag₂CO₃ and microwaves
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