

5.1.a) Méritos docentes del profesorado no acreditado

Noelia Lázaro Ronco

Curso 2021-2022: 3 créditos

Curso 2022-2023: 7 créditos

Marina Ronda Leal

Curso 2021-2022: 2,7 créditos

Curso 2022-2023: 7 créditos

5.1.b) Méritos de investigación del profesorado no doctor

Noelia Lázaro Ronco

1) Título: One-pot multi-step synthesis of gamma-valerolactone from furfuryl alcohol: Microwave vs continuous flow reaction studies. *Fuel*. 2023, 334.

Autores: Lázaro, Noelia; Ronda Leal, Marina; Pineda-Pineda, Antonio; Osman, Sameh M.; Shokouhimehr, Mohammadreza; Jang, Ho Won; Luque-Alvarez De Sotomayor, Rafael

2) Título: Batch and continuous-flow room temperature furfural acetalization with ethanol over aluminophosphate (APAI) catalysts for biofuels production. *Fuel*. 2023, 332.

Autores: Ratthiwal, Janejira; Lázaro, Noelia; Romero-Reyes, Antonio Angel; Osman, Sameh M.; Reubroycharoen, Prasert; Luque-Alvarez De Sotomayor, Rafael

3) Título: Furfural conversion over calcined Ti and Fe metal-organic frameworks under continuous flow conditions. *Catalysis Communications*. 2023, 177.

Autores: Ratthiwal, Janejira; Lázaro, Noelia; Pineda-Pineda, Antonio; Esposito, Roberto; Alothman, Zeid A.; Reubroycharoen, Prasert; Luque-Alvarez De Sotomayor, Rafael

4) Título: Catalytic screening of the cascade reductive amination reaction of furfural and acetonitrile. *Catalysis Today*. 2022. (ISI): 6.562, (SCImago): 1,053

Autores: Polidoro, Daniel; Espro, Claudia; Lázaro, Noelia; Trentin, Oscar; Perosa, Alvise; Osman, Sameh M.; Rodriguez, Daily; Luque-Alvarez De Sotomayor, Rafael; Selva, Maurizio

5) Título: Efficient and stable titania-based nanocatalytic materials for the reductive amination of furfural. *Materials Today. Chemistry*. 2022, 24. (ISI): 7.613. (SCImago): 1,229

Autores: Ronda Leal, Marina; Spro, Claudia; Lázaro, Noelia; Selva, Maurizio; Perosa, Alvise; Osman, Sameh M.; Pineda-Pineda, Antonio; Luque-Alvarez De Sotomayor, Rafael; Rodriguez, Daily

6) Título: Mechanochemical Functionalization of Mesoporous Carbons for the Catalytic Transformation of trans-Ferulic Acid into Vanillin. ACS Sustainable Chemistry & Engineering. 2021. 9. (ISI): 9.224. (SCImago): 1,743

Autores: Lázaro, Noelia; Castro-gutiérrez, Jimena; Ramírez-vidal, Pamela; Celzard, Alain; Fierro, Vanessa; Saad-algarni, Tahani; Pineda-Pineda, Antonio; Luque-Alvarez De Sotomayor, Rafael

7) Título: Catalytic wet hydrogen peroxide oxidation of isoeugenol to vanillin using microwave-assisted synthesized metal loaded catalysts. Molecular Catalysis. 2021. 506. (ISI): 5.089. (SCImago): 0,789

Autores: García-albar, Paloma; Lázaro, Noelia; Alothman, Zeid A.; Romero-Reyes, Antonio Angel; Luque-Alvarez De Sotomayor, Rafael; Pineda-Pineda, Antonio

8) Título: Tuneable Acidity in Fluorinated Al-SBA-15 Materials for the Esterification of Valeric Acid to Alkyl Valerates. Frontiers in Chemistry. 2020, 8. (ISI): 5.221. (SCImago): 1,027

Autores: Blanco-sánchez, Miguel; Pfab, Evan; Lázaro, Noelia; Balu-, Alina Mariana; Luque-Alvarez De Sotomayor, Rafael; Pineda-Pineda, Antonio

9) Título: Evaluation of acid properties of mechanochemically synthesized supported niobium oxide catalysts in the alkylation of toluene. Molecular Catalysis. 2020. 493. (ISI): 5.062. (SCImago): 0,966

Autores: Pineda-Pineda, Antonio; Lázaro, Noelia; Balu-, Alina Mariana; Garcia-Coletto, Angel; Romero-Reyes, Antonio Angel; Luque-Alvarez De Sotomayor, Rafael

10) Título: Continuous flow transfer hydrogenation of biomass derived methyl levulinate over Zr containing zeolites: Insights into the role of the catalyst acidity. Molecular Catalysis. 2019. 477. (ISI): 3.687. (SCImago): 0,906.

Autores: Cabanillas-fernández, Matilde; Franco-Losilla, Ana; Lázaro, Noelia; Balu-, Alina Mariana; Luque-Alvarez De Sotomayor, Rafael; Pineda-Pineda, Antonio

11) Título: Continuous-Flow Hydrogenation of Methyl Levulinate Promoted by Zr-Based Mesoporous Materials. Revista: Catalysts. 2019. 9. (ISI): 3.520. (SCImago): 0,722.

Autores: Lázaro, Noelia; Franco-Losilla, Ana; Ouyang, Weiyi; Balu-, Alina Mariana; Romero-Reyes, Antonio Angel; Luque-Alvarez De Sotomayor, Rafael; Pineda-Pineda, Antonio

12) Título: One-pot Cu/TiO₂ nanoparticles synthesis for trans-ferulic acid conversion into vanillin. Molecules. 2019, 24. (ISI): 3.267. (SCImago): 0,698.

Autores: Gomez-lopez, Paulette; Lázaro, Noelia; Alvarado-beltrán, Clemente; Pineda-Pineda, Antonio; Balu-, Alina Mariana; Luque-Alvarez De Sotomayor, Rafael

Estancias

1. Estancia en Università degli Studi "Mediterranea" di Reggio Calabria. Mediterranean University, Reggio Calabria (Italia)

Institución de destino: Università degli Studi "Mediterranea" di Reggio Calabria

Entidad financiadora: LignoCOST

Fecha inicio: 01/03/2019

Fecha fin: 31/03/2019

Lugar: Mediterranean University, Reggio Calabria (Italia)

Marina Ronda Leal

1) M. Ronda-Leal, C. Espro, N. Lazaro, M. Selva, A. Perosa, S.M. Osman, A. Pineda, R. Luque, D. Rodríguez-Padrón. Efficient and stable titania-based nanocatalytic materials for the reductive amination of furfural. *Materials Today Chemistry*, Volume 24, 2022, 100873, ISSN 2468-5194, <https://doi.org/10.1016/j.mtchem.2022.100873>.

2) M. Ronda-Leal, S. M. Osman, H. W. Jang, M. Shokouhimehr, A. A. Romero, R. Luque. Selective hydrogenation of furfural using TiO₂-Fe₂O₃/C from Ti-Fe-MOFs as sacrificial template: Microwave vs Continuous flow experiments, *Fuel*, Volume 333, Part 1, 2023, 126221, ISSN 0016-2361, <https://doi.org/10.1016/j.fuel.2022.126221>.

3) N. Lázaro, M. Ronda-Leal, A. Pineda, S.M. Osman, M. Shokouhimehr, H. W. Jang, R. Luque. One-pot multi-step synthesis of gamma-valerolactone from furfuryl alcohol: Microwave vs continuous flow reaction studies, *Fuel*, Volume 334, Part 1, 2023, 126439, ISSN 0016-2361, <https://doi.org/10.1016/j.fuel.2022.126439>.