

DOCTORADO EN CIENCIAS AGROALIMENTARIAS

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Publicaciones (2017- 2021)

1. Huet G., Hadad C., González, J., Courty, M., Jamali, A., Cailleu, D., **Nguyen, A.** 2021. IL versus DES: Impact on chitin pretreatment to afford high quality and highly functionalizable chitosan. *Carbohydrate Polymers*, 269: 118332. Q1.
2. Bidal, J., Becuwe, M., Hadad, C., Fleutot, B., Davoisne, C., Deschamps, M., Porcheron, B., **Nguyen, A.** 2021. Hybrid Electrolytes Based on Optimized Ionic Liquid Quantity Tethered on ZrO₂ Nanoparticles for Solid-State Lithium-Ion Conduction. *ACS Applied Materials & Interfaces*, 13: 15159–15167. Q1.
3. Huet, G., Araya, M., Alayoubi, R., Laclef, S., Bouvier, B., Gosselin, I., Cézard, C., Roulard, R., Courty, M., Hadad, C., Husson, E., Sarazin, C., **Nguyen, A.** 2020. New biobased-zwitterionic ionic liquids: efficiency and biocompatibility for the development of sustainable biorefinery processes. *Green Chemistry*, 22: 2935-2946. Q1.
4. Huet, G., Hadad, C., Husson, E., Laclef, S., Lambertin, V., Araya, M., Jamali, A., Courty, M., Alayoubi, R., Gosselin, I., Sarazin, I., **Nguyen, A.** 2020. Straightforward extraction and selective bioconversion of high purity chitin from *Bombyx eri* larva: Toward an integrated insect biorefinery. *Carbohydrate Polymers*, 228: 115382. Q1.
5. Di Nardo, T., Hadad, C., **Nguyen, A.**, Moores, A. 2019. Synthesis of high molecular weight chitosan from chitin by mecanochemistry and aging. *Green Chemistry*, 21: 3276-3285. Q1.
6. Bouteau, G., **Nguyen, A.**, Sliwa, M., Sergent, N., Lepretre, J., Gachot, G. Sagaidak, I., Sauvage, F. 2019. Effect of standard light illumination on electrolyte's stability of lithium-ion batteries based on ethylene and di-methyl carbonates. *Scientific Reports*, 9: 135. Q1.
7. Chaker, Y., Debdab, M., Belarbi, E., Ilikti, H., Haddad, B., Moumene, T., Wadouachi, A., **Nguyen, A.**, Abassi, H., Abbas, O., Bresson, S. 2018. The influence of chloride and hydrogen sulfate anions in two polymerised ionic liquids based on the poly(1-(hydroxyethyl)-3-vinylimidazolium cation, synthesis, thermal and vibrational studies. *European Polymer Journal*, 108: 138-149. Q1.
8. Ahmed, A., Chaker, Y., Belarbi, E., Abbas, O., Chotard, J., Abassi, H., **Nguyen, A.**, El Hadri, M., Bresson, S. 2018. XRD and ATR/FTIR investigations of various montmorillonite clays modified by monocationic and dicationic imidazolium ionic liquids. *Journal of Molecular Structure*, 1173: 653-664. Q3.
9. Sagaidak, I., Huertas, G., **Nguyen, A.**, Sauvage, F. 2018. New iodide-based amino acid molecules for more sustainable electrolytes in dye-sensitized solar cells. *Green Chemistry*, 20: 1059-1064. Q1.

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10. Husson, E., Hadad, C., Huet, G., Laclef, D., Lesur, V., Lambertyn, A., Jamali, S., Gottis, C., Sarazin, A., **Nguyen, A.** 2017. The effect of room temperature ionic liquids on the selective biocatalytic hydrolysis of chitin via sequential or simultaneous strategies. *Green Chemistry*, 19: 4122-4131. Q1.
11. Cavoue, T., Bounou, H., Vayssade, M., **Nguyen, A.**, Kang, I., Kwon, G., Pourceau, G., Dubot, P., Abbad, S., Versace, D. 2017. Imidazolium-based titanium substrates against bacterial colonization. *Biomaterials Science*, 5: 561-569. Q1.

Proyectos con financiamiento externo últimos 5 años (adjudicado y/o ejecutado)

1. CHILIG
Financiamiento: Region Hauts-de-France / CHILI
Rol: Partner
Duración: 2019-2023
Año adjudicación: 2018
2. MOBILION
Financiamiento: DGA / RS2E
Rol: Investigador responsable
Duración: 2017-2021
Año adjudicación: 2017
3. CHITINSECT
Financiamiento: S2R
Rol: Investigador responsable
Duración: 2019-2020
Año adjudicación: 2018
4. CONCERTO-H
Financiamiento: SATT Nord
Rol: Partner
Duración: 2017-2019
Año adjudicación: 2017
5. PHYTOZIL
Financiamiento: SFR Condorcet
Rol: Investigador responsable
Duración: 2018-2019
Año adjudicación: 2017