

RANKING SEGUNDO CUATRIMESTRE 2021



Scopus®

Escuela Politécnica Superior
Universidad de Sevilla
#InvestigadorEPS

- Alonso-González, M., Ramos, M., Bengoechea, C., Romero, A., & Guerrero, A. (2021). Evaluation of composition on processability and water absorption of wheat gluten-based bioplastics. *Journal of Polymers and the Environment*, 29(5), 1434-1443. doi:10.1007/s10924-020-01969-4
- Álvarez-Castillo, E., Aguilar, J. M., Bengoechea, C., López-Castejón, M. L., & Guerrero, A. (2021). Rheology and water absorption properties of alginate-soy protein composites. *Polymers*, 13(11) doi:10.3390/polym13111807
- Álvarez-Castillo, E., Bengoechea, C., Felix, M., & Guerrero, A. (2021). Freeze-drying versus heat-drying: Effect on protein-based superabsorbent material. *Processes*, 9(6) doi:10.3390/pr9061076
- Álvarez-Castillo, E., Felix, M., Bengoechea, C., & Guerrero, A. (2021). Proteins from agri-food industrial biowastes or co-products and their applications as green materials. *Foods*, 10(5) doi:10.3390/foods10050981
- Ancio, F., Rodriguez-mayorga, E., & Hortigon, B. (2021). Analysis of the main aspects affecting bonding in stainless steel rebars embedded in a hydraulic medium. *Metals*, 11(5) doi:10.3390/met11050786
- Carmona, V., Fernández-Sánchez, F., & Novaes, D. D. (2021). A new simple proof for Lum-Chua's conjecture. *Nonlinear Analysis: Hybrid Systems*, 40 doi:10.1016/j.nahs.2020.100992
- Carril-Naranjo, F., Mena, B., Samayoa, D., Guerrero, A., & Figueroa-Espinoza, B. (2021). The influence of the negative wake on the deformation and breakup of viscoelastic droplets. *Korea Australia Rheology Journal*, 33(3), 283-291. doi:10.1007/s13367-021-0022-0
- Cerra, S., Salamone, T. A., Sciubba, F., Marsotto, M., Battocchio, C., Nappini, S., . . . Fratoddi, I. (2021). Study of the interaction mechanism between hydrophilic thiol capped gold nanoparticles and melamine in aqueous medium. *Colloids and Surfaces B: Biointerfaces*, 203 doi:10.1016/j.colsurfb.2021.111727

Ciraldo, F. E., Arango-Ospina, M., Goldmann, W. H., Beltrán, A. M., Detsch, R., Gruenewald, A., . . . Boccaccini, A. R. (2021). Fabrication and characterization of ag- and ga-doped mesoporous glass-coated scaffolds based on natural marine sponges with improved mechanical properties. *Journal of Biomedical Materials Research - Part A*, 109(8), 1309-1327. doi:10.1002/jbm.a.37123

Cuevas-Maraver, J., Kevrekidis, P. G., Chen, Q. Y., Kevrekidis, G. A., Villalobos-Daniel, V., Rapti, Z., & Drossinos, Y. (2021). Lockdown measures and their impact on single- and two-age-structured epidemic model for the COVID-19 outbreak in mexico. *Mathematical Biosciences*, 336 doi:10.1016/j.mbs.2021.108590

De las Heras, A., Relinque-Medina, F., Zamora-Polo, F., & Luque-Sendra, A. (2021). Analysis of the evolution of the sharing economy towards sustainability. trends and transformations of the concept. *Journal of Cleaner Production*, 291 doi:10.1016/j.jclepro.2020.125227

Dittler, M. L., Zelís, P. M., Beltrán, A. M., Destch, R., Grillo, C. A., Gonzalez, M. C., & Boccaccini, A. R. (2021). Magnetic 3D scaffolds for tissue engineering applications: Bioactive glass (45S5) coated with iron-loaded hydroxyapatite nanoparticles. *Biomedical Materials (Bristol)*, 16(5) doi:10.1088/1748-605X/ac14cc

Dominguez-Morales, J. P., Duran-Lopez, L., Gutierrez-Galan, D., Rios-Navarro, A., Linares-Barranco, A., & Jimenez-Fernandez, A. (2021). Wildlife monitoring on the edge: A performance evaluation of embedded neural networks on microcontrollers for animal behavior classification. *Sensors*, 21(9) doi:10.3390/s21092975

Dominguez-Morales, J. P., Gutierrez-Galan, D., Rios-Navarro, A., Duran-Lopez, L., Dominguez-Morales, M., & Jimenez-Fernandez, A. (2021). pyNAVIS: An open-source cross-platform software for spike-based neuromorphic audio information processing. *Neurocomputing*, 449, 172-175. doi:10.1016/j.neucom.2021.03.121

Espejo-Antúnez, L., Corrales-Serrano, M., Zamora-Polo, F., González-Velasco, M., & Cardero-Durán, M. Á. (2021). What are university professors' motivations? A realistic approach to self-perception of a group of spanish university professors belonging to the g-9 group

of universities. *International Journal of Environmental Research and Public Health*, 18(15) doi:10.3390/ijerph18157976

Gaviria, J., Alcudia, A., Begines, B., Beltrán, A. M., Rodríguez-ortiz, J. A., Trueba, P., . . .

Torres, Y. (2021). Biofunctionalization of porous ti substrates coated with ag nanoparticles for potential antibacterial behavior. *Metals*, 11(5) doi:10.3390/met11050692

Gil-González, E., Pérez-Maqueda, L. A., Sánchez-Jiménez, P. E., & Perejón, A. (2021). Paving the way to establish protocols: Modeling and predicting mechanochemical reactions. *Journal of Physical Chemistry Letters*, 12(23), 5540-5546. doi:10.1021/acs.jpclett.1c01472

Gil-González, E., Rodríguez-Laguna, M. D. R., Sánchez-Jiménez, P. E., Perejón, A., & Pérez-Maqueda, L. A. (2021). Unveiling mechanochemistry: Kinematic-kinetic approach for the prediction of mechanically induced reactions. *Journal of Alloys and Compounds*, 866 doi:10.1016/j.jallcom.2021.158925

López-Castejón, M. L., Hurtado, M. C., de la Fuente, J., Mena, B., & Bengoechea, C. (2021). Electrospun fibers based on porcine plasma: A rheological and morphological study. *Iranian Polymer Journal (English Edition)*, 30(7), 723-735. doi:10.1007/s13726-021-00926-9

Martín, J., Tena, N., & Asuero, A. G. (2021). Current state of diagnostic, screening and surveillance testing methods for COVID-19 from an analytical chemistry point of view. *Microchemical Journal*, 167 doi:10.1016/j.microc.2021.106305

Mejías, C., Martín, J., Santos, J. L., Aparicio, I., & Alonso, E. (2021). Occurrence of pharmaceuticals and their metabolites in sewage sludge and soil: A review on their distribution and environmental risk assessment. *Trends in Environmental Analytical Chemistry*, 30 doi:10.1016/j.teac.2021.e00125

- Monaga-Reina, R., de-Las-Heras, A., Luque-Sendra, A., & Lama-Ruiz, J. - (2021). Improvement of sustainability management through a plm structure. good practices and a case study. *Dyna (Spain)*, 96(4), 373-378. doi:10.6036/9915
- Monedero, I., Barbancho, J., Márquez, R., & Beltrán, J. F. (2021). Cyber-physical system for environmental monitoring based on deep learning. *Sensors*, 21(11) doi:10.3390/s21113655
- Mutlu, N., Beltrán, A. M., Nawaz, Q., Michálek, M., Boccaccini, A. R., & Zheng, K. (2021). Combination of selective etching and impregnation toward hollow mesoporous bioactive glass nanoparticles. *Nanomaterials*, 11(7) doi:10.3390/nano11071846
- Parejo, A., Bracco, S., Personal, E., Larios, D. F., Delfino, F., & León, C. (2021). Short-term power forecasting framework for microgrids using combined baseline and regression models. *Applied Sciences (Switzerland)*, 11(14) doi:10.3390/app11146420
- Perez-Puyana, V., Wieringa, P., Guerrero, A., Romero, A., & Moroni, L. (2021). (Macro)molecular imprinting of proteins on PCL electrospun scaffolds. *ACS Applied Materials and Interfaces*, 13(25), 29293-29302. doi:10.1021/acsami.1c04022
- Piñero-Fuentes, E., Canas-Moreno, S., Rios-Navarro, A., Domínguez-Morales, M., Sevillano, J. L., & Linares-Barranco, A. (2021). Article a deep-learning based posture detection system for preventing telework-related musculoskeletal disorders. *Sensors*, 21(15) doi:10.3390/s21155236
- Romero-Muñiz, C., Ortega, M., Vilhena, J. G., Pérez, R., Cuevas, J. C., & Zotti, L. A. (2021). The role of metal ions in the electron transport through azurin-based junctions. *Applied Sciences (Switzerland)*, 11(9) doi:10.3390/app11093732
- Sánchez-Cid, P., Jiménez-Rosado, M., Alonso-González, M., Romero, A., & Perez-Puyana, V. (2021). Applied rheology as tool for the assessment of chitosan hydrogels for regenerative medicine. *Polymers*, 13(13) doi:10.3390/polym13132189

Santos, J., Trujillo-Cayado, L. A., Alcaide, M. Á., & Alfaro, M. C. (2021). Impact of microfluidization on the emulsifying properties of zein-based emulsions: Influence of diutan gum concentration. *Materials*, 14(13) doi:10.3390/ma14133695

Trallero-Giner, C., Menéndez-Proupin, E., Morell, E. S., Pérez-Álvarez, R., & Santiago-Pérez, D. G. (2021). Phenomenological model for long-wavelength optical modes in transition metal dichalcogenide monolayer. *Physical Review B*, 103(23) doi:10.1103/PhysRevB.103.235424

Yepes-Borrero, J. C., Perea, F., Ruiz, R., & Villa, F. (2021). Bi-objective parallel machine scheduling with additional resources during setups. *European Journal of Operational Research*, 292(2), 443-455. doi:10.1016/j.ejor.2020.10.052

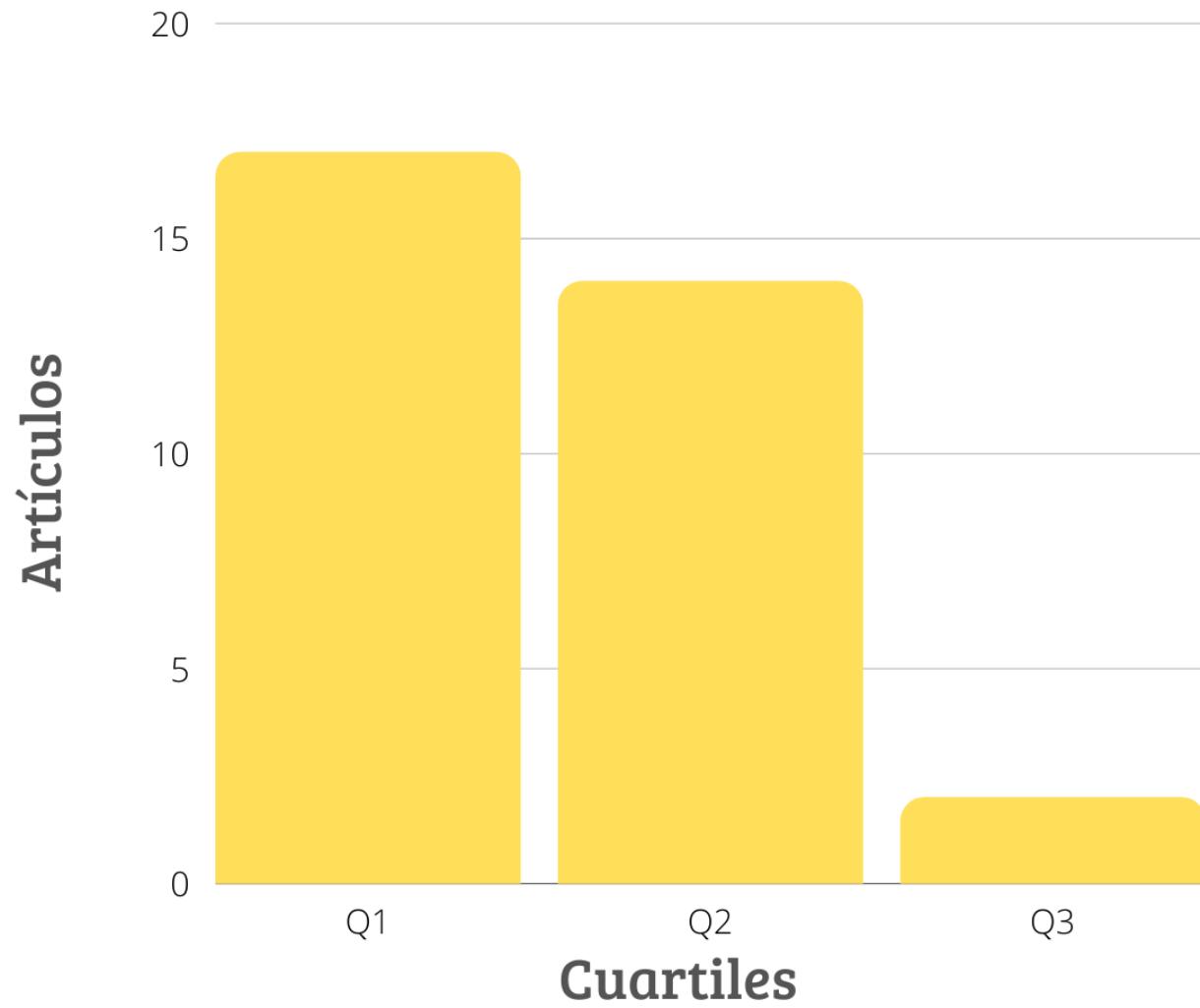
Zotti, L. A. (2021). Molecular electronics. *Applied Sciences (Switzerland)*, 11(11) doi:10.3390/app11114828



ARTÍCULOS PUBLICADOS EN REVISTAS SITUADAS EN LOS PRIMEROS CUARTILES DE SUS CATEGORÍAS TEMÁTICAS



Artículos



ARTÍCULOS POR AUTOR

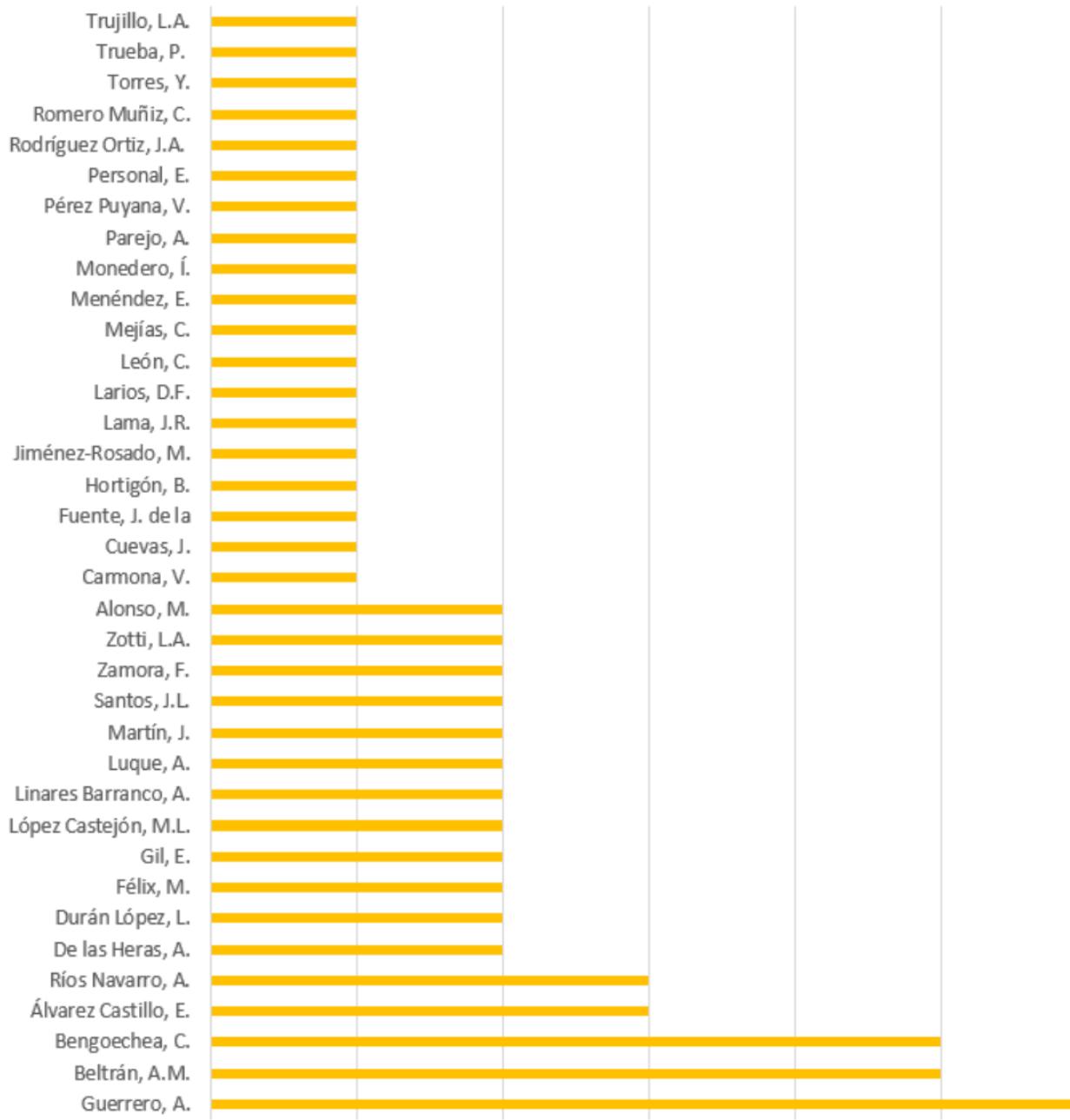


INVESTIGADOREPS



AUTORES EN SCOPUS QUE FIRMAN CON AFILIACIÓN
"ESCUELA POLITÉCNICA SUPERIOR, UNIVERSIDAD DE SEVILLA"

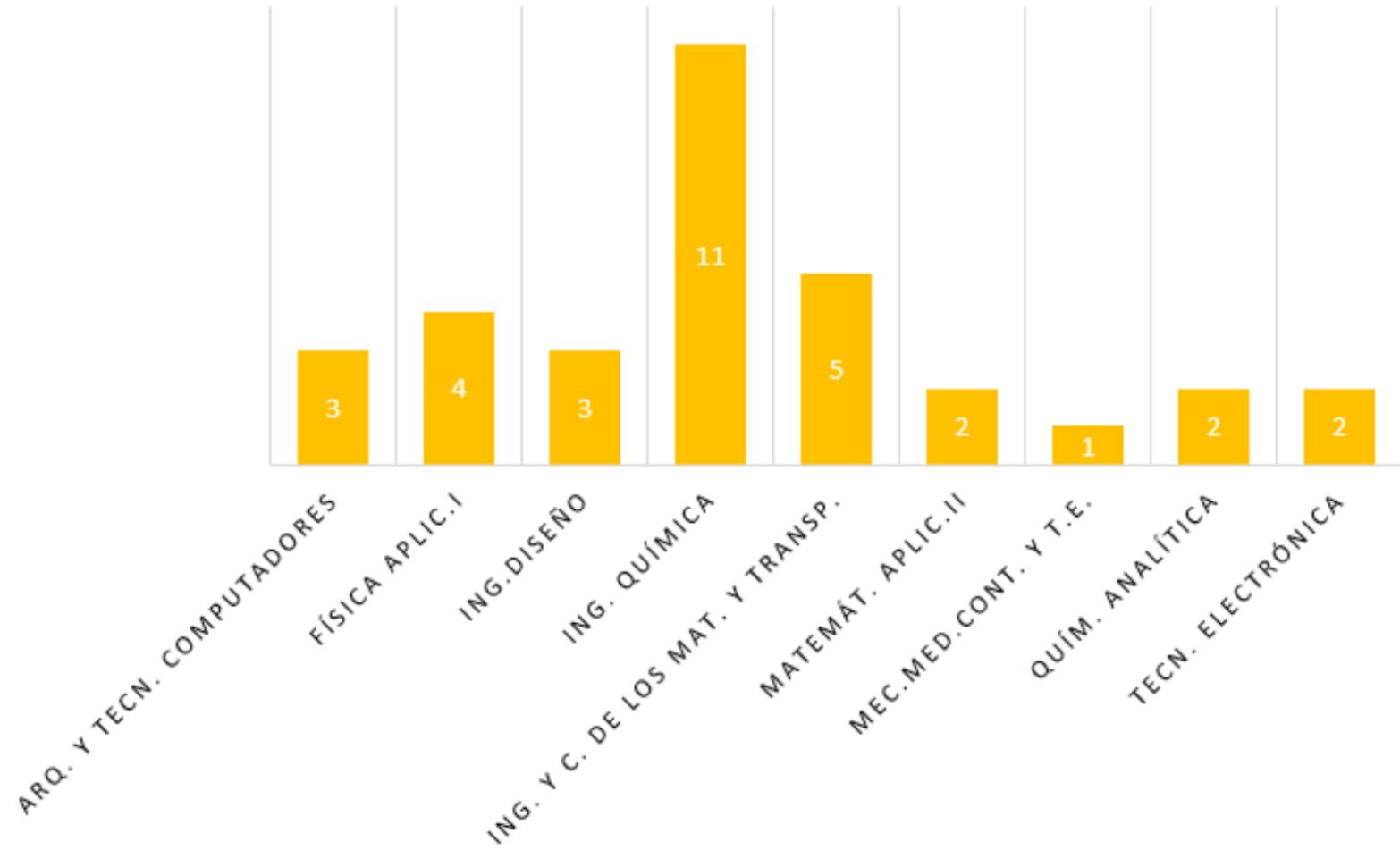
2º Cuatrimestre 2021



ARTÍCULOS POR DEPARTAMENTO



INVESTIGADOREPS

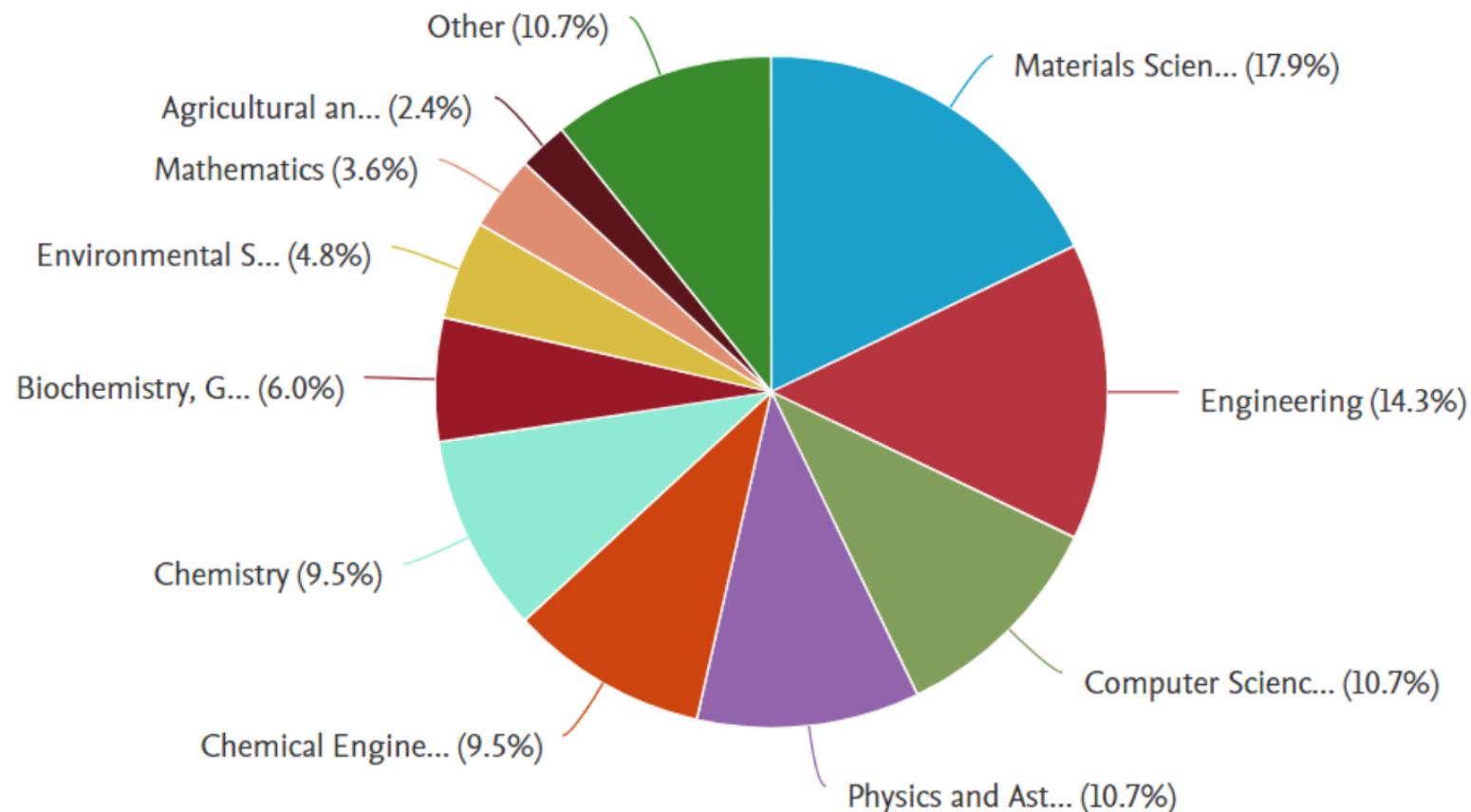


ARTÍCULOS POR ÁREAS TEMÁTICAS



AUTORES EN SCOPUS QUE FIRMAN CON AFILIACIÓN
"ESCUELA POLITÉCNICA SUPERIOR, UNIVERSIDAD DE SEVILLA"

2º Cuatrimestre 2021



*Datos tomados de Scopus